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CATALOGUE OF THE POSITIONS AND PROPER MOTIONS OF 7727 STARS

Re-observation by Photography of the Astronomische Gesellschaft Zone between Declinations $+55°$ and $+60°$, reduced to 1875.0 without applying Proper Motions

By Frank Schlesinger and Ida Barney

With an Appendix Containing the Positions of 396 Stars in Sparse Regions, and an Appendix Containing the Positions of 80 Additional Gesellschaft Stars near Declination 55°

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INTRODUCTION

This volume contains the fourth zone of the Astronomische Gesellschaft Catalogue to be duplicated by photography. The others appear in these Transactions in the following places: 50° to 55° in Volume 4; — 2° to + 1° in Volume 5; + 1° to + 2° in Volume 3, page 139.

In all essentials the present volume is a continuation of the earlier work, for which the reader is referred especially to the introduction to Volume 4. Here it will be merely necessary to describe some differences of procedure and to give the data referring to this particular zone.

Our observing list is made up of stars in the southern half of the Helsingfors-Gotha zone (55° to 65°) of the Gesellschaft Catalogue; that is, we put on our list all stars in that catalogue whose declinations are not greater than 60°10′.

One of the most important applications of modern positions of Gesellschaft stars will be to provide strong comparison positions with which astrographic and similar plates can be reduced. This is particularly true in the present zone, since the astrographic plates taken at the Vatican Observatory are being reduced in an avowedly preliminary way, using as comparison positions the Gesellschaft zones as they stand, though the latter were observed so much earlier than the plates were obtained, in some cases more than forty years. With new places for these same stars available, their positions can be interpolated for the epochs of the astrographic plates, and we shall then have positions not distorted by proper motion, nor affected by such large accidental errors.

In the present zone there are on an average 8.0 Gesellschaft stars in a square degree,* or four times as many in the area corresponding to an astrographic plate, a handsome number from which to compute the plate constants. In some places, however, these stars fall far short of being so numerous; in these sparse regions we have searched our plates for stars not in the Gesellschaft zones that could be well measured. We have found 396 of them; their positions are given in Appendix 1, referred to the equinox of 1875.0, and with precessions computed to correspond exactly with the Gesellschaft data. The magnitudes in this appendix are taken from the BD.

This zone includes 356 stars already measured on the plates for the zone 50° to 55°. These furnish a valuable link between the two zones and will help to determine their relative and absolute systematic errors. To strengthen this link further, we have selected 80 Gesellschaft stars (in regions where these 356 stars are sparse) that were measured in our 50° to 55° zone, but that are not in the Gesellschaft Catalogue for the present zone, though they are well measurable on these plates. Their declinations are all a little less than 55°. Their positions appear here in Appendix 2.

Of the stars on our measuring list 374 proved too faint for accurate measurement; most of them are of the K and the M types of spectra, and are fainter photographically than visually; 10 stars are too bright to measure, 153 are doubles too close and too nearly equal in magnitude, 20 were spoiled

* This is considerably greater than the average for the whole Gesellschaft Catalogue, which is about six stars in a square degree.

TABLE 1

DESCRIPTION OF THE PLATES

R.A. (1875)			Decl. (1875)		Date of Exposure			Hour Angle	Base		Date Measured		
									ΔX	ΔY			
h	m	s						min.	mm	mm			
0	0	10	57°	19′	1915	Sept.	24	6 W	—0.08	0.00	1926	April	3
0	20	5	57	19	1915	Oct.	26	109 E	— .12	.00	1926	Mar.	15
0	40	20	57	19	1915	Sept.	24	0	— .08	.00	1926	Mar.	26
1	0	0	57	20	1915	Oct.	24	90 E	— .12	.00	1926	April	10
1	20	0	57	19	1915	Oct.	26	47 E	— .12	.00	1926	April	20
1	40	5	57	20	1915	Nov.	22	58 E	— .14	— .09	1926	April	28
2	0	15	57	19	1915	Oct.	22	120 E	— .12	.00	1926	May	4
2	20	10	57	20	1916	Oct.	14	74 E	— .03	+ .06	1926	May	13
2	40	10	57	19	1915	Oct.	23	8 W	— .12	.00	1926	May	18
3	0	0	57	21	1915	Nov.	24	3 E	— .14	— .09	1926	May	25
3	20	6	57	20	1916	Oct.	14	100 E	— .03	+ .06	1926	June	1
3	40	0	57	20	1915	Oct.	26	3 W	— .12	.00	1926	June	3
4	0	17	57	20	1916	Oct.	14	86 E	— .03	+ .06	1926	June	9
4	20	0	57	20	1915	Oct.	23	35 E	— .12	.00	1926	June	12
4	40	0	57	20	1915	Oct.	23	38 E	— .12	.00	1926	June	15
5	0	0	57	20	1915	Oct.	26	40 E	— .12	.00	1926	June	18
5	20	6	57	19	1915	Oct.	23	42 E	— .12	.00	1926	June	21
5	39	57	57	19	1915	Oct.	23	6 E	— .12	.00	1926	June	23
5	59	56	57	20	1916	Jan.	22	24 E	— .11	+ .04	1926	June	25
6	20	10	57	20	1916	Nov.	9	64 E	.00	+ .02	1926	June	29
6	40	20	57	20	1916	Nov.	8	42 E	.00	+ .02	1926	July	2
7	0	0	57	20	1916	Nov.	6	76 E	.00	+ .02	1926	July	7
7	20	4	57	20	1916	Nov.	9	83 E	.00	+ .02	1926	July	12
7	39	58	57	20	1916	Jan.	23	11 E	— .10	+ .04	1926	July	14
8	0	13	57	21	1916	Nov.	9	80 E	.00	+ .02	1926	July	16
8	20	0	57	20	1916	Jan.	23	6 E	— .10	+ .04	1926	July	19
8	40	5	57	21	1916	Nov.	9	78 E	.00	+ .02	1926	July	21
9	0	4	57	20	1916	Nov.	9	64 E	.00	+ .02	1926	July	23
9	19	58	57	20	1916	Dec.	9	34 E	.00	+ .03	1926	July	27
9	40	0	57	21	1916	Dec.	7	7 W	.00	+ .03	1926	July	29
10	0	4	57	20	1917	Mar.	5	25 E	— .10	— .10	1926	July	31
10	20	4	57	20	1916	Dec.	9	14 E	.00	+ .03	1926	Sept.	2
10	40	4	57	20	1916	Dec.	7	9 E	.00	+ .03	1926	Sept.	3
10	59	50	57	20	1916	Dec.	9	15 E	.00	+ .03	1926	Sept.	14
11	20	3	57	20	1917	Mar.	5	60 E	— .10	— .10	1926	Sept.	16
11	40	3	57	21	1917	April	10	10 W	— .10	— .07	1926	Sept.	20

by defects on one or the other of the plates, and finally 11 were so near the edge of the plate as to be occulted by the plateholder. These deductions bring the number of stars actually measured down to 7727.

No measurements have been rejected or repeated on account of discordance.

TABLE I—*Continued*

DESCRIPTION OF THE PLATES

R.A. (1875)			Decl. (1875)		Date of Exposure			Hour Angle	Base		Date Measured		
									ΔX	ΔY			
h	m	s						min.	mm	mm			
11	59	57	57°	21′	1917	Mar.	5	46 E	—0.10	—0.10	1926	Sept.	22
12	20	8	57	19	1917	May	8	10 E	— .10	— .07	1926	Sept.	25
12	40	3	57	20	1917	Mar.	5	44 E	— .10	— .10	1926	Sept.	27
13	0	3	57	20	1917	Mar.	5	25 E	— .10	— .10	1926	Sept.	29
13	20	3	57	19	1917	May	2	4 W	— .10	— .07	1926	Oct.	1
13	40	10	57	20	1917	April	8	18 E	— .10	— .07	1926	Oct.	5
14	0	10	57	20	1917	April	8	4 E	— .10	— .07	1926	Oct.	8
14	20	5	57	19	1917	May	2	18 E	— .10	— .07	1926	Oct.	12
14	40	7	57	19	1917	May	2	5 E	— .10	— .07	1926	Oct.	14
14	59	50	57	20	1917	May	13	52 E	— .10	— .07	1926	Oct.	16
15	20	6	57	20	1916	June	13	14 E	— .05	+ .07	1926	Oct.	19
15	40	0	57	21	1916	June	12	1 W	— .05	+ .07	1926	Oct.	20
16	0	0	57	21	1916	June	13	17 E	— .05	+ .07	1926	Oct.	22
16	20	8	57	18	1917	May	2	60 E	— .10	— .07	1926	Oct.	25
16	40	6	57	20	1916	June	12	4 W	— .05	+ .07	1926	Oct.	28
17	0	2	57	20	1916	June	13	40 E	— .05	+ .07	1926	Nov.	1
17	19	40	57	19	1917	May	2	86 E	— .10	— .07	1926	Nov.	3
17	40	0	57	20	1916	June	13	49 E	— .05	+ .07	1926	Nov.	5
18	0	4	57	19	1917	June	30	2 E	— .07	— .04	1926	Nov.	8
18	20	5	57	19	1917	June	30	10 W	— .07	— .04	1926	Nov.	10
18	39	40	57	22	1917	July	3	20 E	— .07	— .06	1926	Nov.	12
19	0	3	57	19	1917	July	3	7 E	— .07	— .06	1926	Nov.	16
19	19	48	57	19	1917	July	19	20 W	— .07	— .06	1926	Nov.	19
19	40	6	57	20	1916	Aug.	13	6 E	— .10	+ .07	1926	Nov.	23
20	0	6	57	20	1916	Aug.	15	5 E	— .04	+ .05	1926	Nov.	29
20	20	5	57	20	1916	Aug.	13	1 W	— .10	+ .07	1926	Dec.	3
20	40	0	57	19	1915	Oct.	26	6 W	— .12	.00	1926	Dec.	9
21	0	10	57	20	1916	Aug.	13	6 E	— .10	+ .07	1926	Dec.	17
21	20	7	57	25	1915	Oct.	26	5 W	— .12	.00	1926	Dec.	22
21	40	3	57	21	1916	Aug.	13	14 E	— .10	+ .07	1927	Jan.	4
22	0	0	57	19	1915	Oct.	26	3 E	— .12	.00	1927	Jan.	8
22	20	12	57	19	1915	Sept.	24	5 E	— .08	.00	1927	Jan.	13
22	40	7	57	20	1915	Sept.	24	10 W	— .08	.00	1927	Jan.	18
22	59	50	57	22	1915	Oct.	21	12 E	— .07	.00	1927	Jan.	22
23	20	0	57	21	1915	Oct.	22	38 E	— .12	.00	1927	Jan.	26
23	40	10	57	20	1915	Sept.	24	10 E	— .08	.00	1927	Mar.	15

Table I is a description of the 72 plates. These were all obtained at Allegheny Observatory with the 103mm camera attached to the Thaw Refractor, from September, 1915 to July, 1917. Thirty-seven of these were secured by Mr. F. C. Jordan, twenty-seven by Mr. C. J. Hudson, and the remaining eight by various other observers.

The plates were all measured by Miss Barney at Yale Observatory between March, 1926 and March, 1927. This is the first of these zones to be measured by a single observer. The measuring engine employed is the one used and described in Volume 4.

In measuring the equatorial zones the Gesellschaft stars were not marked on the plates in any way; in this case the relations between rectilinear coördinates and spherical coördinates (right ascension and declination) are so simple that the stars could be rapidly identified with the help of two paper scales placed parallel respectively to the screw and the guiding way, and interchanged when the plate is turned 90° to measure in the declination direction. For any other zone this simple device will not serve. For the zone 50° to 55° we used the auxiliary diagram described on page (7) of Volume 4. In both zones the number of misidentifications was very small, but each misidentification caused considerable trouble; it was necessary to insert the plate in the engine again, to adjust it anew, and to measure not only the misidentified star but several neighbors as well.

In the present zone not a single star has been misidentified, and accordingly not one has had to be remeasured on this account. On these plates the stars were identified and marked by means of a machine of the type described in the MNRAS, Volume LXXXVI, page 372, made in rough form at an expense of perhaps thirty-five dollars. This machine enabled us to point at the spot corresponding to any right ascension and declination within about 15″.

For the former zones the measures were recorded and the computations made in ledgers. For this zone we tried the experiment of using cards instead, and have found it to be a very considerable improvement. The cards are 13cm by 20cm, large enough to hold the records for both coördinates on both plates, as well as all the computations that refer to that star. One obvious advantage is the automatic bringing together of all the information for a star. Another is the ease with which the whole material can be discussed, for it is now a simple matter to group the stars according to any desired plan: right ascension, declination, magnitude, etc. A third advantage is in the measurement. For former zones the X coördinates were measured in order of right ascension; which is not quite the same as the order of X itself, especially for a zone in such high declination, where two stars having the same right ascension may differ as much as 10mm in X. We therefore began by arranging the cards for any one plate according to X and measured them strictly in that order. These X coördinates, as well as Y, had been computed in advance for reasons to be described presently. In the Y coördinates we had formerly divided the stars into zones of one-half degree in declination and had measured them within each zone in the order of right ascension. But now we can proceed exactly as for X, arranging the cards in the order of Y before measuring that coördinate. We believe this process is slightly more accurate than the earlier; besides, it is more expeditious, as it avoids a good deal of turning the micrometer-screw needlessly back and forth.

We also made a change in the measuring engine which we found to be an improvement. We cut the microscope tube just above the micrometer-wire, thus separating from the microscope the eyepiece itself with its reversing prism. This we mounted on an auxiliary bridge parallel to the microscope bridge, and of course just above the upper end of the microscope tube. When, therefore, we turn from one object to another we move the microscope as usual by means of the screw, and then we set the eyepiece above its new position by sliding it along its bridge. It would have been feasible to move the two (microscope and eyepiece) together by the insertion of two gears, but we preferred not

to do this, especially in the present work, where stars succeed each other on the plate with an average interval of only 0.7mm. With the new arrangement it is hardly possible to derange the microscope during measurement, since, if one disturbs the eyepiece (by manipulating the reversing prism or striking it with the brow or the nose), this does not now affect the measurement in any way, an important point in connection with plates that require an average of three and a half hours in each coördinate, during which the plate and microscope must retain their relative position within 0.001mm. or so. Incidentally the new device enables the observer to change the focus of the eyepiece upon the micrometer-wire at any time, a privilege of which Miss Barney occasionally availed herself.*

In addition to these precautions we have, as usual, controlled the stability of the plate by measuring four "zero" stars at intervals never exceeding 90 minutes. In a few instances we have still had some doubt whether such stability was sufficiently maintained, and in these cases we have remeasured all the coördinates concerned. In this zone 0.6 per cent of the measures were repeated on this account, as against 1.1 per cent in the zone 50° to 55°, and against 2.0 per cent in the still earlier equatorial zones.

The plates were reduced by a different numerical process from that previously adopted, the final result being, of course, the same. This modification was prompted by the desire to have a still further check on the identification of the Gesellschaft stars, and incidentally it enabled us to carry on the reductions to a much more advanced stage before the comparison positions actually came to hand. Starting with the Gesellschaft positions (epoch averaging 1874.7) we computed the standard coördinates for all of them on our plates, the bases having been determined by the process described in Volume 4. The addition of suitable constants to X and Y respectively gave the screw-reading and the reading on a millimeter scale attached to the plate-carriage at right angles to the screw. The observer then set the micrometer microscope and the plate-carrier to these pairs of readings and made sure that the star was found in the centre of the microscope field within a small fraction of a millimeter, especially in the direction parallel to the screw.

The comparison positions for this zone we owe to the generous coöperation of the Leiden Observatory.† Dr. Hins and several assistants secured an average of three observations of each of 1,073 stars with the Leiden circle, at the average epoch 1926.9. From the accordance of the observations Dr. Hins gives as the probable error of one of his catalogue places

$$\text{In R.A., } \pm 0.^{s}018 = \pm 0.''15 \quad \ldots\ldots\ldots\ldots \quad \text{In Decl., } \pm 0.''19,$$

values that are well confirmed by a comparison with our final photographic positions. The average visual magnitude of these comparison stars is 8.5, purposely chosen so as to be close to the average magnitude of all the Gesellschaft stars.

The Leiden catalogue contains 1,073 stars. Of these we did not use 21 because there were less than two observations in one or both coördinates. A few of the remaining stars proved to be disturbingly double on the plates and were not measured. Finally, our manuscript copy of the catalogue

* This device was intended especially for catalogue work, but we are using it for parallax measurements as well, although in this case the microscope need remain relatively fixed for only about twenty minutes at a time. All of us who have tried both arrangements in any class of work have found the separated eyepiece to be preferable.

† Annalen, Sterrewacht te Leiden, XV, part 2.

exhibited large discordances for three or four stars (since corrected in the printed catalogue), so that we actually used 1,031 stars, an average of nearly 29 to a plate.

The area in which we measured stars on these plates is a trifle larger than for the earlier zones; along their southern edge they extend 5°.74, along their northern, 5°.00; their area is thus 28.7 square degrees (not counting the two overlapping strips to the north and to the south) against 24.3 in the zone 50° to 55°, and 24.0 in the equatorial zone.

The Leiden places are in the system of the PGC. We reduced them at once to the system of the Neuer Fundamental Katalog at 1925, by making use of the information on pages 151 to 154 of Eichelberger's Catalogue,* where he compares both these systems with his own. The adopted corrections are in Tables 2 and 3.

TABLE 2

NFK Minus PGC in 1925: Right Ascensions

0^h	$-^s.003$	6^h	$-^s.018$	12^h	$-^s.010$	18^h	$+^s.007$
1	− 10	7	− 18	13	− 6	19	+ 6
2	− 16	8	− 14	14	0	20	+ 5
3	− 20	9	− 10	15	+ 6	21	+ 5
4	− 20	10	− 10	16	+ 7	22	+ 5
5	− 20	11	− 10	17	+ 7	23	+ 2

TABLE 3

NFK Minus PGC in 1925: Declinations

0^h	$-''.10$	6^h	$+''.14$	12^h	$+''.14$	18^h	$+''.10$
1	− 3	7	+ 14	13	+ 14	19	+ 8
2	+ 10	8	+ 14	14	+ 14	20	+ 4
3	+ 14	9	+ 14	15	+ 14	21	− 2
4	+ 14	10	+ 14	16	+ 14	22	− 8
5	+ 14	11	+ 14	17	+ 12	23	− 9

An additional correction of $+0^s.100$ was applied to the Leiden right ascensions. A preliminary investigation showed that without such a correction the proper motions in right ascension as derived from a comparison of the Gesellschaft places with our own would be predominantly too small by about $^s.0020$, or about $''.016$, a large quantity. This correction or its equivalent might have been applied at any one of several stages: to Leiden, to the old Gesellschaft Catalogue, to their difference, or to the proper motions. It is not a matter of much consequence which of these stages is preferred, so long as the facts are carried in mind when these positions and proper motions are used or discussed.

The comparison stars were observed around 1926.9, while the plates were secured around 1916.6. To obviate the ill effects of proper motions in this interval of ten years we have interpolated between the Leiden and the Gesellschaft position (average epoch 1874.7) for each star; thus the comparison places that we actually used depend to the extent of eighty percent upon the Leiden positions, and to the remaining twenty percent upon the Gesellschaft positions. The average number of observations in

* Astronomical Papers of the American Ephemeris and Nautical Almanac, Volume X, Part 1.

this Gesellschaft zone (Helsingfors-Gotha) is 2.2, and therefore according to the information on page 329 of the PGC, the probable errors in the two coördinates are ± ″.58 and ± ″.48. Accepting ± ″.15 and ± ″.19 as the probable errors of the Leiden catalogue, we get for the probable errors of the interpolated positions (1916.6) ± ″.165 and ± ″.180. We have therefore, on the whole, not lost any of the accuracy of the Leiden observations by reducing them in this way to the epoch of our plates; while we have, of course, avoided both the accidental and systematic errors due to proper motions in the ten-year interval. It must not be forgotten that the positions employed for the comparison stars, and therefore all our photographic positions are affected by four-fifths of any systematic errors in the Leiden Catalogue, and by one-fifth of such errors in the Helsingfors-Gotha places.*

The method of reduction, as already stated, is novel and should be described in detail. We already have standard rectilinear coördinates (X_g, Y_g) computed from the Gesellschaft places. For the comparison stars we corrected X_g, Y_g by small quantities ΔX and ΔY, corresponding to $d\alpha$ and $d\delta$, the differences between our interpolated comparison positions and those in the Helsingfors-Gotha zone. Usually ΔX and ΔY could be taken as equal to $d\alpha.\cos D$ and to $d\delta$, where D is the declination of the star. But if $d\alpha$, $d\delta$ are large it is necessary, in these high declinations, to add further terms:

$$\Delta X = d\alpha \cdot \cos D - d\delta \cdot \Delta\alpha \cdot \sin\delta,$$
$$\Delta Y = d\delta + d\alpha \cdot \Delta\alpha \cdot \sin\delta \cdot \cos\delta,$$

where $\Delta\alpha$, $\Delta\delta$ are the differences in right ascension and in declination between the star and the base of the plate, and δ is the declination of the base. One-page tables in convenient form were constructed for ΔX and ΔY, with $d\delta$ and $\Delta\alpha$ as arguments for the first, and $d\alpha$ and $\Delta\alpha$ for the second.

The application of these corrections to X_g and Y_g yield X_c and Y_c, used as comparison data. These are now confronted with the measured X_m and Y_m, and from the differences we determine c, a, b, k, l, m, by separate least-squares solutions in right ascension and in declination:

$$c + aX_c + bY_c = X_m - X_c$$
$$k + lX_c + mY_c = Y_m - Y_c$$

Table 4 gives the results of the 144 solutions. The probable errors in the fifth and the ninth columns correspond to a single observation, that is, to one observation equation, and are made up of the errors in the meridian places and in our measures.† We have now to apply these three corrections to each measured X_m and Y_m, yielding our definitive X and Y. These might now be transformed to α and δ by the usual formulae, but a simpler process in this case is to form the differences $X - X_g$ and $Y - Y_g$ and then to convert these into differences in α and δ which can be applied to the Gesellschaft positions to obtain the definitive photographic positions. Usually we can take $(X - X_g)\sec D$ and $Y - Y_g$ as these differences; but if they are large we must take account of terms of higher order:

$$d\alpha = (X - X_g)\sec D + (Y - Y_g)X \cdot \sec\delta \cdot \tan\delta$$
$$d\delta = (Y - Y_g) - (X - X_g)X \cdot \tan\delta$$

Again, two convenient one-page tables were constructed with X and $(Y - Y_g)$ as arguments for the first, and X and $(X - X_g)$ for the second.

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* We applied no systematic corrections whatsoever to the Helsingfors-Gotha places. Had we adopted those given in the PGC (pages 303 and 327), the maximum change in our interpolated comparison coördinates would have been ^{s}.008(″.06) and ″.07 respectively.

† The last two columns will be explained later, in the section dealing with the examination of results.

TABLE 4

The Least-Squares Solutions

Right Ascension					Declination				p	
Plate	a	b	c	p.e.	l	m	k	p.e.	in X	in Y
h m			mm							
0 0	+ 10	+ 94	— 0.0349	± 0″.25	+ 220	— 41	+ 0.0195	± 0″.29	0	— 6
0 20	— 102	— 346	— .0272	.21	+ 29	— 55	— .0345	.27	— 3	— 3
0 40	— 70	— 6	— .0012	.21	— 132	— 118	— .0160	.35	— 8	— 13
1 0	— 105	— 25	— .0392	.32	+ 80	— 128	— .0344	.34	+ 9	0
1 20	— 73	— 147	+ .0438	.35	+ 49	— 98	+ .0575	.30	— 19	— 6
1 40	— 97	— 100	— .0535	.26	+ 28	— 130	+ .0128	.39	— 1	— 12
2 0	— 89	+ 35	— .0240	.27	— 43	— 96	— .0298	.31	— 3	— 2
2 20	— 100	+ 51	— .0513	.22	— 11	— 102	+ .0155	.37	— 4	— 8
2 40	— 98	+ 125	+ .0158	.25	— 14	— 109	+ .0339	.28	— 2	— 2
3 0	— 62	— 54	— .0241	.23	+ 68	— 111	+ .0036	.38	— 10	— 8
3 20	— 134	+ 106	+ .0352	.32	+ 129	— 101	— .0089	.28	— 6	0
3 40	— 83	+ 106	— .0711	.33	+ 90	— 106	+ .0555	.33	— 5	— 4
4 0	— 74	+ 36	— .0370	.23	+ 89	— 127	+ .0706	.26	— 8	— 4
4 20	— 115	+ 339	— .0493	.29	— 39	— 219	— .0299	.33	— 4	— 6
4 40	— 155	+ 56	— .0487	.30	+ 2	— 181	— .0413	.28	— 9	— 7
5 0	— 119	+ 105	— .0561	.26	— 26	— 153	+ .0285	.33	0	— 8
5 20	— 92	+ 151	+ .0429	.22	+ 83	— 172	+ .0133	.30	— 4	+ 4
5 40	— 113	— 56	— .0179	.26	+ 61	— 185	+ .0482	.31	+ 4	— 7
6 0	— 78	+ 122	— .0473	.44	— 103	— 73	+ .0054	.26	— 22	— 2
6 20	— 145	0	+ .0185	.29	— 396	— 139	— .0375	.26	— 4	— 1
6 40	— 63	— 225	+ .0446	.34	— 70	— 86	+ .0113	.27	— 8	— 5
7 0	— 199	— 199	+ .0417	.29	— 25	— 196	+ .0198	.31	+ 1	— 8
7 20	— 134	+ 242	— .0479	.26	+ 59	— 146	+ .0312	.26	0	0
7 40	— 100	— 68	+ .0457	.23	+ 28	— 103	+ .0067	.30	0	— 9
8 0	— 145	— 60	+ .0255	.31	+ 120	— 146	— .0199	.28	+ 1	— 4
8 20	— 129	+ 96	+ .0403	.32	— 59	— 113	+ .0061	.28	+ 2	— 8
8 40	— 222	+ 141	— .0363	.29	— 136	— 199	— .0207	.26	— 12	+ 3
9 0	— 245	+ 393	+ .0325	.23	+ 67	— 174	+ .0389	.28	— 7	0
9 20	— 173	+ 160	+ .0260	.22	— 185	— 200	— .0498	.30	— 4	— 7
9 40	— 114	— 179	— .0008	.22	+ 131	— 138	— .0023	.28	— 4	— 7
10 0	— 263	+ 149	— .0195	.28	+ 29	— 251	+ .0122	.37	— 7	+ 4
10 20	— 192	— 165	— .0055	.28	— 70	— 201	+ .0113	.24	— 2	— 2
10 40	— 61	+ 80	+ .0193	.29	— 116	— 58	+ .0429	.33	+ 2	— 6
11 0	0	— 92	— .0412	.37	— 32	+ 9	— .0451	.35	+ 3	+ 12
11 20	— 219	— 43	— .0347	.26	— 124	— 179	+ .0215	.25	— 8	0
11 40	— 106	— 67	+ .0343	.28	+ 113	— 98	+ .0404	.29	— 3	— 2

Unit for a, b, l and m, .000001; for p, .0000001.

Examination of Results

This discussion is carried out along the same lines as in Volume 4. We begin by taking all the differences, photographic minus meridian, in both coördinates for the 1,031 comparison stars, and arranging them so that they will be in the order of screw-readings.

TABLE 4—*Continued*

THE LEAST-SQUARES SOLUTIONS

Right Ascension						Declination				p	
Plate		a	b	c	p.e.	l	m	k	p.e.	in X	in Y
h	m			mm				mm			
12	0	— 232	— 164	— 0.0299	±0″.25	+ 65	— 207	+ 0.0371	± 0″.37	— 6	— 11
12	20	— 104	— 103	+ .0121	.24	+ 82	— 118	+ .0240	.28	— 4	— 5
12	40	— 199	+ 151	+ .0385	.22	— 49	— 227	+ .0466	.24	— 4	0
13	0	— 213	+ 50	+ .0237	.27	— 15	— 191	+ .0365	.33	0	0
13	20	— 95	+ 445	— .0040	.15	+ 84	— 133	+ .0172	.18	— 4	— 1
13	40	— 189	+ 48	+ .0372	.17	+ 112	— 222	— .0073	.24	+ 2	— 5
14	0	— 128	+ 133	.0000	.24	— 37	— 150	— .0500	.22	— 12	+ 1
14	20	— 111	— 103	— .0021	.20	+ 275	— 105	+ .0346	.21	— 3	— 10
14	40	— 150	— 308	+ .0572	.23	+ 110	— 171	+ .0039	.28	— 4	— 6
15	0	— 157	— 113	+ .0148	.21	— 218	— 149	— .0328	.28	0	— 10
15	20	+ 31	— 41	+ .0542	.21	— 8	— 14	+ .0159	.27	— 2	— 4
15	40	— 18	— 30	+ .0140	.25	— 208	+ 2	— .0450	.27	— 3	— 1
16	0	+ 4	— 83	— .0353	.32	— 2	+ 28	— .0398	.26	— 8	0
16	20	— 162	+ 27	— .0129	.28	+ 193	— 119	— .0482	.25	— 6	— 3
16	40	— 64	+ 200	— .0094	.24	— 90	+ 7	+ .0001	.29	— 6	— 3
17	0	— 22	— 6	— .0294	.19	— 52	— 23	— .0371	.30	— 1	— 9
17	20	— 55	+ 4	— .0057	.32	— 2	— 78	+ .0117	.23	— 8	0
17	40	— 15	+ 95	+ .0183	.27	— 96	— 8	+ .0129	.18	— 11	— 3
18	0	— 79	+ 100	+ .0234	.30	+ 236	— 105	+ .0087	.25	— 9	+ 2
18	20	— 98	— 8	— .0490	.24	+ 176	— 145	— .0116	.26	— 2	— 9
18	40	— 88	+ 57	— .0280	.33	— 108	— 143	+ .0181	.31	— 8	— 7
19	0	— 102	— 116	— .0584	.23	— 15	— 157	+ .0317	.21	+ 1	— 6
19	20	— 75	+ 42	+ .0381	.24	— 242	— 96	— .0405	.25	+ 1	— 5
19	40	— 23	+ 78	+ .0018	.24	— 168	— 45	+ .0264	.29	— 8	— 7
20	0	+ 19	+ 183	— .0203	.29	+ 105	— 29	— .0114	.26	— 5	— 3
20	20	— 36	— 106	— .0283	.20	+ 118	— 29	+ .0084	.25	— 2	— 3
20	40	+ 48	+ 4	— .0235	.31	+ 23	+ 5	— .0446	.35	+ 3	— 10
21	0	— 52	+ 178	+ .0413	.33	— 39	— 37	+ .0219	.26	— 9	— 3
21	20	— 8	+ 179	— .0654	.28	+ 51	— 16	— .0164	.34	— 1	— 8
21	40	+ 4	0	+ .0186	.22	— 36	— 43	— .0351	.29	— 3	— 4
22	0	— 15	— 94	— .0025	.27	— 71	— 27	— .0153	.32	0	— 6
22	20	— 24	0	+ .0060	.25	— 59	— 33	— .0426	.26	0	— 4
22	40	— 24	— 19	+ .0169	.34	— 65	— 90	— .0151	.41	— 9	— 16
23	0	— 26	+ 109	+ .0377	.29	— 29	— 36	+ .0202	.27	— 5	— 1
23	20	— 58	+ 33	+ .0296	.24	+ 29	— 61	+ .0243	.25	— 6	— 9
23	40	— 33	+ 15	+ .0170	.27	+ 149	— 78	+ .0033	.29	— 6	— 5

Unit for a, b, l and m, .000001; for p, .0000001.

These corrections may be regarded as indicating the wear since the zone 50° to 55° had been completed; for we began the present zone by applying to the measures the screw corrections derived from the discussion of this earlier zone. These additional corrections are small, but they appear for the most part to be real, first because of the accordance between the entirely independent values from

TABLE 5

ADDITIONAL SCREW CORRECTIONS OBTAINED BY COMPARING PHOTOGRAPHIC α AND δ WITH MERIDIAN PLACES

Screw-Reading	Correction from RA	No. of Stars	Correction from Decl	No. of Stars	Screw-Reading	Correction from RA	No. of Stars	Correction from Decl	No. of Stars
mm	mm		mm		mm	mm		mm	
22	— 0.0001	70	———		101	+ 0.0007	128	———	
31	+ 2	124	+ 0.0008	96	111	+ 7	154	+ 0.0003	201
41	+ 8	151	+ 4	208	121	— 2	139	———	
51	— 2	128	+ 1	284	131	— 6	135	— 3	239
61	— 8	129	— 5	239	141	0	133	0	276
71	— 7	137	———		151	+ 1	139	+ 7	218
81	— 5	136	— 5	210	161	— 6	138	— 1	91
91	0	131	———		170	+ 13	84	———	

right ascension and from declination; and second because the probable errors of one of these corrections is only about .00015mm, except for the first and the last in both coördinates, for which it is about .00022. The only correction that exceeds .0008mm is the last in right ascension, but this cannot be regarded as a result of wear; for the plates in the zone 50° to 55° are narrower, extending only as far as 172mm, while these plates extend 8mm farther. We had therefore to extrapolate for this part of the screw, and the correction we now obtain shows that we did not do so correctly within about .001mm. Similar remarks apply to the other end of the screw (near 22mm) but in this case we appear to have extrapolated more successfully.

TABLE 6

ADDITIONAL WAY CORRECTIONS OBTAINED BY COMPARING PHOTOGRAPHIC α AND δ WITH MERIDIAN PLACES

Way Reading	Correction from RA	No. of Stars	Correction from Decl	No. of Stars	Way Reading	Correction from RA	No. of Stars	Correction from Decl	No. of Stars
mm	mm		mm		mm	mm		mm	
22	———		— 0.0007	81	101	———		— 0.0007	131
31	+ 0.0007	91	+ 2	138	111	0.0000	206	— 2	135
41	+ 1	219	+ 1	142	121	———		0	138
51	+ 1	272	+ 3	133	131	+ 3	241	+ 5	129
61	— 4	244	0	134	141	0	280	— 2	126
71	———		— 2	140	151	0	212	+ 1	150
81	— 2	195	+ 1	155	161	0	96	+ 4	126
91	———		+ 2	129	170	———		+ 3	75

Table 6 gives the result of arranging the same data according to the position of the plate-carriage on its guiding way. We applied the same corrections to this zone as to that between 50° and 55°, ignoring the small additional corrections from the discussion of that zone and given in Table 4 of Volume 4, page 14. The present discussion gives additional corrections that are substantially the

same as in the one to the south, and we therefore conclude that the wear on the guiding way has been extremely small, the average difference being 0.0003mm, all of which can be accounted for as accidental error. Incidentally this guiding way is unusually straight; it nowhere deviates from the best straight line by as much as one micron.

TABLE 7

DIFFERENCES IN RIGHT ASCENSION, PHOTOGRAPHIC MINUS MERIDIAN, ARRANGED ACCORDING TO X

X	Difference	No. of Stars	X	Difference	No. of Stars
mm	mm		mm	mm	
— 74	— 0.0006	87	+ 5	+ 0.0005	135
— 65	— 12	126	+ 15	— 2	145
— 55	— 8	144	+ 25	+ 3	132
— 45	+ 1	130	+ 35	+ 1	133
— 35	+ 3	131	+ 45	0	131
— 25	+ 8	144	+ 55	— 1	146
— 15	+ 10	145	+ 65	— 3	136
— 5	+ 12	124	+ 74	— 21	67

In Table 7 we have arranged the differences in right ascension according to the X coördinate.

These run positive in the middle and negative at the ends; they can be explained as due to a small systematic error in determining the base of the plates; on this interpretation they yield $p = -.00000036$ which agrees with the value found in the same way for the zone 50° to 55°. Other values of p for the present zone will be derived later.

Table 8 exhibits the results of a similar discussion in declination. Since these differences are all very small, we conclude that the base has been determined in this direction without sensible systematic error.

TABLE 8

DIFFERENCES IN DECLINATION, PHOTOGRAPHIC MINUS MERIDIAN

Y	Difference	No. of Stars	Y	Difference	No. of Stars
mm	mm		mm	mm	
— 52	— 0.0001	114	+ 15	— 0.0005	59
— 45	— 1	269	+ 35	— 2	208
— 35	0	270	+ 45	0	291
— 15	+ 3	352	+ 55	— 3	312
			+ 62	+ 4	187

We now go to differences between the positions for the same star as determined on the two plates, preceding and following. Table 9 describes itself. Both sets of differences run from positive to negative values. This again is due to a systematic error in the location of the base. A least-squares solution of these data gives $p = -.00000040$, in good agreement with the earlier value.

TABLE 9

DIFFERENCES IN RIGHT ASCENSION, PRECEDING MINUS FOLLOWING ARRANGED ACCORDING TO SCREW-READINGS

Screw-Reading		Difference	Difference Corrected for p	No. of Stars	Screw-Reading		Difference	Difference Corrected for p	No. of Stars
Even Plate	Odd Plate				Even Plate	Odd Plate			
mm	mm	mm	mm		mm	mm	mm	mm	
101	169	0.0000	— 0.0015	457	91	23	+ 0.0018	+ 0.0003	396
111	159	+ 13	+ 4	438	81	33	+ 12	+ 3	444
121	149	+ 8	+ 5	449	71	43	+ 4	+ 1	416
131	139	+ 4	+ 7	460	61	53	— 13	— 10	452
141	129	— 5	+ 4	435	51	63	— 16	— 7	447
151	119	— 15	+ 1	453	41	73	— 12	+ 4	429
161	109	— 14	+ 8	432	31	83	— 18	+ 4	398
169	101	— 32	— 4	285	23	91	— 31	— 3	280

In examining at this point the results for the individual plates it was noticed that one plate (center at 6^h0^m) is unusually discordant, and that for this plate the differences in right ascension, photographic minus meridian, have a systematic run of the character that corresponds to a large error in the right ascension of the base, that is to a large value of p (— .0000022). An examination of the residuals in declination failed, however, to yield a correspondingly abnormal value of p, which in this coördinate would be revealed as the coefficient of XY. We then examined the whole material in the same way, deducing for each plate both p and q from both sets of residuals, photographic minus meridian. The values of q are uniformly small in both coördinates, and can be attributed entirely to accidental error. A number of the values of p* are larger than will admit of the same explanation, but for these we could find no correlation between the two values derived from the two coördinates. It can be shown that with the average number of comparison stars (29) with average distribution, the introduction of p and q as additional unknowns in the least-squares solution would yield their values with probable errors of only .00000021, X and Y being expressed in millimeters. Our plates present three cases in which the values of p computed from X (the coefficient of X^2) differs from the general mean by respectively 8, 7 and 6 times this probable error; and three *other* cases in which the value of p computed from Y (the coefficient of XY) attains 7, 6 and 6 times this quantity. In all other cases in both coördinates four times the probable error is not exceeded. In no case does a plate yield abnormally high values of p from both X and Y.†

* These are shown in the last two columns of Table 4.

† We have reexamined from this point of view the ninety plates in the zone 50° to 55°, and we find little or none of this effect there. In the X coördinates five plates yield values of p that differ from the mean of all by more than three times the probable error; in the Y coördinate only three exceed this limit. According to the exponential law there ought to be four such cases out of ninety in each coördinate. We may conclude, therefore, that these few large values of p are merely accidental. We next examined the 120 plates in the equatorial zone. Here there are only ten comparison stars on a plate, and consequently we could not derive with much weight the values of p from the least-squares solutions. This can be done, with more labor however, from a discussion of the differences, preceding *minus* following; a somewhat rough calculation, but one adequate to this purpose, failed to reveal any but accidentally large values of p in this zone.

Additional light can be thrown on this puzzle by examining from this point of view the differences in X and Y between the preceding and following plates. If these large values of p are real they should show themselves through these differences. In general all the largest values of p were thus confirmed, though naturally most of the values that are not extreme were indicated in this way to be accidental.

As a result of all this evidence we have applied the following corrections to the X coördinates of six plates:

1^h	0^m	.....	$-0.0000009X^2$	$+$	0.0020 mm
1	20	.....	+	15	—	30
6	0	.....	+	15	—	30
8	40	.....	+	7	—	14
14	0	.....	+	6	—	12
17	40	.....	+	7	—	14

These reduce the coördinates to what they would have been had p on these plates been equal to the average for all. In Volume 4 it was shown that the error in a catalogue place due to the neglect of p on *both* plates concerned for any one star is very small: for the average value of p in either that zone or this the error cannot exceed ″.035.

The case is somewhat different for the Y coördinate. Here the neglect of a general value of p is not compensated so well as in X: the effect on a catalogue position may be as much as one-half the maximum effect on one plate, instead of merely one-sixth as in X. In the zone 50° to 55° (Volume 4) we accordingly applied to the Y coördinates for all plates the correction, + .00000034 XY. To all but ten of the plates in the present zone we similarly applied + .00000040 XY, the corrections for the other ten plates being as follows:

0^h	40^m	.....	+ 0.0000012 XY	12^h	0^m	.....	+ 0.0000016 XY
1	40	.....	+ 12	14	20	.....	+ 10
5	20	.....	— 4	15	0	.....	+ 10
10	0	.....	— 3	20	40	.....	+ 8
11	0	.....	— 10	22	40	.....	+ 16

Returning to the discussion of the differences, preceding minus following, we find for this zone, as we did for the earlier ones, that two small empirical terms are present: $u \cdot XY^2$ in X, where u is + 26 in the tenth decimal place (if X and Y are expressed in millimeters), as against + 37 in the zone from 50° to 55°;* and $s \cdot X^2$ in Y, where s is — 11 in the eighth place, against — 13 in the zone to the south, and — 10 in the equatorial zone. We have applied neither of these small terms to our positions, though their reality is now quite beyond question.

What we have called magnitude distortion causes bright stars to photograph farther from the center of these plates than faint ones that have the same celestial position. To test its presence here we selected the 182 stars that exhibited the largest images; and treating these precisely as described

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* This term is probably present with the same sign in the equatorial zone, but with a coefficient not much greater than + 10. As this zone extends only 4° in declination it is more difficult to evaluate the term.

on page (21) of Volume 4. We conclude that the magnitude distortion is 0".0009 per magnitude per millimeter of distance from the center of the plate. This is about one-third again as much as in the zone to the south, and still a little more in excess of that in the equatorial zone. As the present investigation of the magnitude distortion is less elaborate and complete than for the earlier zones, and as the value derived (from 845 stars) in the zone 50° to 55° is a good average of all three, we have adopted 0".00068 for the present zone as well, and have applied this correction to all the positions that were affected in the mean to the extent of 0".05.

Formation of the Catalogue.

Having applied the corrections indicated we obtain the positions in the third and the fifth columns of our catalogue. The first column gives the Gesellschaft number in the Helsingfors-Gotha zone. The visual magnitude in the second column is copied from the same source, and the spectrum is from the Henry Draper Catalogue or its extension, our fainter stars having been very kindly included in this extension by the Harvard observers, and communicated to us in advance of publication. The precessions and secular variations in the fourth and the sixth columns, and the BD numbers in the last column are likewise taken from the Gesellschaft catalogue. In this last column a + sign indicates that in the BD the star is in the zone to the north of that indicated by the degree in declination; a — sign that it is in the zone to the south.

The seventh and the eighth columns give the proper motions and their probable errors in the two directions, derived simply by comparing the Gesellschaft position with our own, without using any other positions than these two. We shall come back presently to the details of the computation of these motions. As in the zone to the south, if the Gesellschaft zone contains only one observation for a star we have omitted its proper motion, as likewise for the few "Fundamentalsterne" that are in this zone, for which only the fundamental position is given in the Gesellschaft catalogue, and not an observed position.

The notes at the bottom of each page give the epoch of observation for the stars on that page, the numbers in the Preliminary General Catalogue, and information concerning double stars. In the latter notes we have used BDS as the abbreviation for Burnham's General Catalogue of Double Stars, as we learn from Dr. Aitken that this is what he will use to distinguish Burnham's work from his own forthcoming catalogue (ADS), and from that of Innes (IDS).

Proper Motions.

Table 10 collects what we have called crude proper motions in right ascension, obtained by taking the uncorrected differences, Yale minus Gesellschaft, and dividing them by the differences in epoch. From this collection we have omitted proper motions that numerically exceed 0".2, as we did for the corresponding table in Volume 4, page (26). The number of stars in each of these 120 means is indicated within the parentheses that accompany them.

TABLE 10

CRUDE PROPER MOTIONS IN RIGHT ASCENSION

RA	6.3	7.0 to 7.9	8.0 to 8.9	9.0 to 9.3	Fainter than 9.3
h					
0.5	+ 0″.024(20)	+ 0″.014(68)	+ 0″.012(225)	+ 0″.010(194)	+ 0″.011(18)
1.5	+ 12(18)	+ 9(54)	+ 7(236)	+ 1(211)	+ 11(27)
2.5	+ 15(25)	+ 9(69)	+ 3(254)	+ 7(189)	+ 17(19)
3.5	+ 21(16)	+ 11(29)	+ 3(136)	+ 6(101)	+ 17(17)
4.5	+ 19(14)	+ 3(24)	+ 7(142)	+ 14 (94)	+ 23(16)
5.5	+ 17(19)	+ 9(23)	+ 6 (99)	+ 5 (91)	+ 23(20)
6.5	+ 20(19)	— 2(31)	+ 7(131)	+ 9(103)	+ 17 (8)
7.5	— 10(12)	+ 8(38)	0(120)	— 7 (77)	+ 13(12)
8.5	+ 36(11)	— 8(37)	— 7 (94)	+ 4 (60)	+ 1(16)
9.5	— 14(12)	— 19(26)	— 5 (62)	0 (68)	+ 15 (8)
10.5	— 21(11)	+ 5(21)	— 18 (78)	— 11 (77)	— 24(13)
11.5	— 7(13)	— 26(24)	— 24 (74)	— 23 (59)	— 21 (7)
12.5	— 4 (9)	— 23(25)	— 20 (91)	— 8 (77)	+ 10(12)
13.5	+ 12 (6)	— 6(19)	— 20 (82)	— 15 (61)	— 3(15)
14.5	+ 1 (8)	— 28(23)	— 16 (82)	— 13 (62)	+ 2 (7)
15.5	+ 9(13)	— 13(25)	— 5 (80)	— 2 (57)	+ 8 (9)
16.5	+ 6 (9)	+ 13(22)	+ 10(103)	+ 8 (83)	+ 6(17)
17.5	+ 23(11)	+ 3(18)	+ 16(102)	+ 20 (88)	+ 14(19)
18.5	+ 16(13)	+ 20(41)	+ 10(114)	+ 22 (87)	+ 22 (5)
19.5	+ 35(25)	+ 22(45)	+ 11(188)	+ 12(203)	+ 23(20)
20.5	+ 22(26)	+ 19(49)	+ 9(190)	+ 9(148)	+ 17(22)
21.5	+ 30(21)	+ 14(58)	+ 14(182)	+ 21(143)	+ 17(44)
22.5	+ 34(27)	+ 21(52)	+ 10(232)	+ 14(206)	+ 14(28)
23.5	+ 18(22)	+ 16(44)	+ 12(204)	+ 15(185)	+ 30(22)

Taking the brute mean of each column, and ignoring the inequalities in the number of stars in various hours, we obtain the following:

6.3	+ 0″.013
7.5	+ 3
8.5	+ 1
9.1	+ 4
9.5	+ 11

If we interpret these as being due to magnitude errors in the Gesellschaft catalogue, the corresponding corrections to the latter are found by multiplying by forty-two, the average difference in epoch, as shown in the second column of Table 11. The small value for magnitude 8.5 is, of course, a consequence of our having added $0^s.100$ to the Leiden positions of our comparison stars. The third column is taken from page 303 of the PGC. It will be seen how much these two corrections differ, even after allowing for a constant. Here is one more indication of the great unaccuracy of the magnitude equations that have hitherto been applied to some early catalogues.

TABLE 11
MAGNITUDE CORRECTIONS

Magn		PGC	Difference
6.3	+0″.55 = + 0ˢ.068 (380)	— 0ˢ.019	+ 0ˢ.087
7.5	+ 13 = + 16 (855)	— 28	+ 44
8.5	+ 4 = + 5(3301)	— 34	+ 39
9.1	+ 17 = + 21(2734)	— 39	+ 60
9.5	+ 46 = + 57 (401)	— 42	+ 99

We have the proper motions of 165 stars that appear also in the PGC. Dividing these into fifteen groups of eleven stars each, we get Table 12. The first and the sixth columns give the mean right ascension of each set of eleven stars; the second and the seventh, the mean difference, our crude proper motion in right ascension minus that in the PGC. The third and the eighth columns give the same data, rounded by taking the mean of three successive values. The fourth, fifth, ninth and tenth columns give the corresponding information in declination.

TABLE 12
COMPARISON WITH PGC PROPER MOTIONS

RA	Difference in μ_α		Difference in μ_δ		RA	Difference in μ_α		Difference in μ_δ	
h					h				
1.1	+ 0″.002	+ 0″.007	— 0″.011	+ 0″.003	14.0	+ 0″.017	+ 0″.013	+ 0″.005	+ 0″.006
2.2	+ 9	+ 5	+ 6	— 6	17.0	+ 13	+ 14	+ 5	+ 8
4.2	+ 4	+ 2	— 12	+ 2	19.1	+ 13	+ 14	+ 13	+ 10
5.6	— 6	+ 3	+ 11	+ 2	20.8	+ 16	+ 12	+ 13	+ 6
6.5	+ 11	0	+ 6	+ 10	21.9	+ 6	+ 18	— 7	0
7.6	— 6	+ 6	+ 12	+ 8	22.6	+ 32	+ 16	— 5	0
9.5	+ 14	+ 5	+ 6	+ 8	23.7	+ 10	+ 15	+ 14	0
11.6	+ 8	+ 13	+ 7	+ 6					

Table 13 combines the inferences from Table 10 and 12 with regard to right ascension and gives the corrections that we have applied to our crude proper motions to get those in our catalogue. For intermediate magnitudes we have interpolated linearly.

TABLE 13
CORRECTIONS TO CRUDE PROPER MOTIONS IN RIGHT ASCENSION

AG Magn	0h	1h	2h, 3h	4h to 7h	8h	9h	10h	11h	12h to 23h
6.3	— 0″.011	— 0″.009	— 0″.006	— 0″.003	— 0″.004	— 0″.006	— 0″.007	— 0″010	— 0″.013
7.5	— 4	— 2	0	+ 4	+ 3	0	0	— 3	— 6
8.5	— 2	0	+ 3	+ 6	+ 5	+ 3	+ 2	0	— 4
9.1	— 5	— 3	0	+ 3	+ 2	0	0	— 4	— 7
9.5	— 11	— 9	— 6	— 3	— 4	— 6	— 7	— 10	— 13

In declination we have applied to our crude proper motions —″.007 between 5^h30^m and 21^h0^m, and have applied no corrections in the other right ascensions; like those in right ascension they reduce our proper motions to the PGC system.

Accuracy of the Observations.

If we take the means of the probable errors in Table 4 we obtain ± 0″.265 in right ascension, and ± 0″.287 in declination. This includes the inaccuracy of our measures and that of the comparison positions interpolated for the mean epoch, 1916; allowing for the latter, we have for the probable error of a coördinate from one plate:

± 0″.207 ± 0″.224

If we allow for the presence of the terms depending upon *p*, these numbers would be reduced by ten percent or more, and the mean in the two coördinates would be about 0″.194, and therefore the probable error of one of our catalogue places would be 0″.137, on the assumption that the two plates are independent. In one respect this must be regarded as exceeding the true probable error, since Dr. Hins has, as is customary, determined his probable errors from the internal accordance of his observations; if there is present any systematic error, all of its effects are thrown into our probable errors when these are computed as we have just done. In another respect 0″.137 must be regarded as less than the true probable error, for it applies to the comparison stars, which are almost all between magnitudes 7.5 and 8.9 and, therefore, with the exposures actually employed for our plates, give images that can be measured better than those of either fainter or brighter stars. This consideration cannot, however, modify the result very much, particularly as about three quarters of all our stars are included within the same magnitude limits as apply to the comparison stars. From this way of computing the accuracy of our plates, we should estimate the average probable errors of our catalogue as being 0″.15 in each coördinate.

We have 191 stars that are also in the PGC.* These also permit an entirely independent computation of the accuracy of our positions. We first bring the PGC positions up to the epoch of our plates and back to the equinox of 1875.0. Dividing these into six classes according to the diameters of the images on our plates, we obtain Table 14. The first column contains the mean photographic magnitude, derived from the visual magnitude and spectrum, both taken from our catalogue, the number of stars in each mean being indicated in parentheses. The second column gives the probable error of one difference in right ascension, PGC minus our positions; the third gives the probable error of the PGC position for our average epoch (1916.6), computed from the data given with so much foresight and in such convenient form in the PGC. The fourth column gives the probable error of one of our catalogue places, equal to the square-root of the difference of the squares of the items in the two preceding columns. The three remaining columns give similar data for the declinations.

The results from the two coördinates do not accord very well. In right ascension there is an unmistakable progression in the inferred accuracy; it is in the direction we should have predicted, the probable errors increasing for brighter stars. As even the faintest stars in Table 14 are still a good deal brighter than our comparison stars (mean magnitude, 8.5) and as the latter can be measured to better advantage than those that are either considerably brighter or considerably fainter, we should

* To answer a question that has been raised in print with regard to the zone 50° to 55°, the reason that this number is not the same as that of the proper motions (165) common to our catalogue and to the PGC, is that no proper motions can be derived for the Fundamentalsterne, since for them the Gesellschaft catalogues merely reprint the adopted fundamental postions.

infer from the right ascensions that the average probable error of one of our catalogue places is not much greater than 0″.1. In declination, however, no such progression with magnitude is present, at least within the range of 2.2 magnitudes covered by this table. It may well be that if this discussion of the declinations could be extended to stars of the eighth and the ninth magnitudes, we should get

TABLE 14

ACCURACY DERIVED FROM A COMPARISON WITH THE PGC

Mean Magn	Right Ascension			Declination		
	P.E. one Diff.	P.E. PGC	P.E. Photogr.	P.E. one Diff.	P.E. PGC	P.E. Photogr.
7.4(30)	± 0″.276	± 0″.256	±0″.103	± 0″.311	± 0″.232	± 0″.207
6.8(29)	.294	.238	173	290	208	202
6.6(32)	.335	.232	242	256	213	142
6.3(36)	.347	.224	265	336	205	266
5.9(37)	.316	.209	237	252	192	163
5.2(27)	.395	.173	355	254	158	199

a progression in this coördinate similar to that in right ascension. The mean of the six probable errors in declination is 0″.20.

A third determination of the accuracy of the catalogue can be made from the difference between the two positions for each star, on the preceding and the following plates. We must remember, however, that we have omitted certain corrections that do not affect appreciably the mean of the two plates, but which are by no means negligible in their difference. Taking at random on each half-plate sixteen stars whose mean coördinates are respectively equal to the mean of all (without regard to sign), we derive for the probable errors of one difference 0″.302 and 0″.308, and therefore half these quantities for the probable errors of the mean. Allowing approximately for the unapplied corrections just mentioned, the probable error is reduced to a little less than 0″.14 in each coördinate.

A fourth and final opportunity for testing our accuracy is afforded by the 436 stars common to this catalogue and the one in our Volume 4, 50° to 55°. The average difference is 0″.258 in right ascension and 0″.294 in declination; assuming the two catalogues to be equally accurate, these yield 0″.158 and 0″.181 as the probable error of each catalogue in the two coördinates. These are very satisfactory in view of the fact that these stars are on the edges of both series of plates, particularly as we have included in this computation the 80 stars in Appendix 2, many of which are twenty minutes of arc outside of the present zone. Not only is there a loss of accuracy on account of the unusually large corrections which correspond to large coördinates, but images in these positions are a little more difficult to measure because of their shape; this lens gives slightly elongated images beyond 2°.5 from the center, and at 3°.4 the radial diameter is 1.5 times the tangential.

Taking all this evidence together, these plates seem to have given more accurate results than those in the preceding zones, probably because of the greater experience of the measurer, and the fact that all the measuring was done by a single person. On the other side, it should be mentioned, is the greater

extension of these plates in the direction of right ascension. Not to exaggerate the reliability of the catalogue we may safely assume

Probable error, ± 0″.15

in both coördinates. In the PGC system these probable errors correspond to weight 4.0.

It remains to derive the systematic difference between this zone and the one to the south from the 436 stars that we measured on both sets of plates. Table 15 gives in the second and the seventh columns the average difference in right ascension (this zone minus the one to the south), the number of stars in each hour being indicated in parentheses; the next columns give the rounded differences obtained by taking the brute mean of three successive numbers. The remaining columns give the same data for the declinations.

TABLE 15

STARS COMMON TO THIS ZONE AND THE ONE TO THE SOUTH

RA	Difference in RA	Round	Difference in Decl	Round	RA	Difference in RA	Round	Difference in Decl	Round
h					h				
0.5	+ 0ˢ.124(27)	+ 0ˢ.104	+ 0″.05	— 0″.11	12.5	+ 0ˢ.148(13)	+ 0ˢ.103	— 0″.03	+ 0″.39
1.5	+ 78(22)	+ 98	— 25	+ 3	13.5	+ 95(14)	+ 128	+ 46	+ 11
2.5	+ 93(22)	+ 82	+ 28	+ 14	14.5	+ 142(12)	+ 113	— 10	+ 1
3.5	+ 74(17)	+ 81	+ 39	+ 35	15.5	+ 101(10)	+ 116	— 32	— 7
4.5	+ 77(19)	+ 94	+ 39	+ 46	16.5	+ 104(17)	+ 121	+ 20	+ 10
5.5	+ 132(14)	+ 94	+ 61	+ 43	17.5	+ 157(15)	+ 127	+ 43	+ 27
6.5	+ 74(16)	+ 103	+ 29	+ 26	18.5	+ 121(18)	+ 122	+ 19	+ 26
7.5	+ 104(17)	+ 91	— 11	+ 7	19.5	+ 90(26)	+ 93	+ 15	+ 11
8.5	+ 95(13)	+ 82	+ 4	— 18	20.5	+ 68(25)	+ 89	0	+ 12
9.5	+ 46(10)	+ 84	— 47	— 16	21.5	+ 110(31)	+ 102	+ 22	+ 18
10.5	+ 112(12)	+ 74	— 6	+ 7	22.5	+ 127(24)	+ 116	+ 33	+ 14
11.5	+ 65(13)	+ 108	+ 75	+ 22	23.5	+ 110(29)	+ 120	— 13	+ 8

The differences in right ascension are all in the neighborhood of 0ˢ.1, and this is due to our having arbitrarily added 0ˢ.1 to Dr. Hins' right ascensions, in order to make the proper motions average zero for stars of visual magnitude 8.5. But the differences from 0ˢ.1 amount to more than 0ˢ.02 and are for the most part unquestionably real. Similarly in declination there is a range of 0″.5 which is likewise almost altogether real, since the probable error of an unrounded mean averages 0″.05. The origin of these differences must lie in the meridian places, and is due to systematic error in one or both of the two series of comparison observations; that is, in the Lick observations for the zone to the south, or the Leiden observations for this. Such differences do no great harm so long as they are well determined, which appears to be the case here.

In computing the probable error of our results from the accordance of these 436 common stars, as cited above, we first subtracted from each difference the mean difference for that hour and allowed for the fact that this process amounts to using twenty-four unknowns.

Some of our readers may be interested in several changes we made in our typewriter in preparing the manuscript from which the catalogue was photographed for publication. We have changed the style of type from that of uniform height to the more easily legible style in which 3, 4, 5, 7 and 9

extend below, while 6 and 8 extend above the general level. We have also changed the gear that regulates the vertical spaces so as to increase this in the ratio of eleven to ten, and this added appreciably to the legibility and the appearance of the page. Finally we have installed a simple device that enables us to move the platen with respect to the type by half a space either to the right or to the left. This is especially useful in the insertion of decimal points, which look much better if they occupy a half-space rather than a whole one.

We have already indicated our indebtedness to Dr. Hins especially, and to Dr. deSitter, Dr. Cannon and Dr. Shapley. Among the staff of the Yale Observatory we owe much to the efficient help of Miss Gesler, Miss Kelly and Miss Patton. The arduous and difficult task of preparing the manuscript for the photographer was well carried out by Miss Parr, secretary of the observatory.

January, 1930.

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		0^h m s	s	° ′ ″	″	″	″	
2	8.2 A0	0 8.11	+ 3.0734 + 459	55 49 7.5	+ 20.054 - 9	-.011 ± 14	-.004 ± 12	3087
3	9.0 A5	0 8.27	3.0735 501	58 11 46.5	20.054 9	- 23 14	- 11 12	2700
4	8.6 B9	0 14.05	3.0743 456	55 37 43.8	20.054 9	- 50 14	0 12	3088
5	8.8 F5	0 20.48	3.0752 461	55 52 41.1	20.054 9	+ 18 14	0 12	3089
7	9.1 A7	0 31.16	3.0773 519	59 2 57.4	20.054 10	+ 14 14	- 5 12	- 2702
10	8.8 F2	0 36.25	+ 3.0775 + 461	55 51 51.8	+ 20.054 - 10	- 24 ± 14	- 15 ± 12	3090
11	9.0 F0	0 40.59	3.0788 520	59 5 27.9	20.054 10	- 14 14	- 4 12	- 2703
12	9.1 B8	1 2.89	3.0827 533	59 38 52.6	20.054 11	- 16 15	- 3 13	2
13	9.0 A0	1 4.07	3.0830 541	60 2 50.9	20.054 11	+ 2 13	- 29 11	- 1
17	9.0 A0	1 17.35	3.0837 477	56 40 58.4	20.054 11	+ 4 14	0 12	1
18	9.2	1 17.60	+ 3.0837 + 478	56 41 13.7	+ 20.054 - 11	- 19 ± 14	+ 31 ± 12	
19	8.1 K0	1 20.33	3.0840 474	56 29 10.7	20.054 11	+ 36 14	- 7 12	2
20	9.0 A5	1 30.61	3.0872 532	59 29 45.4	20.054 11	- 31 15	- 13 13	3
23	9.2 B9	1 43.11	3.0886 513	58 31 11.4	20.054 12	+ 3 15	- 29 13	1
24	9.2 B8	1 43.13	3.0875 479	56 41 36.8	20.054 12	- 30 14	0 12	4
25	8.5 B9	1 47.30	+ 3.0875 + 463	55 43 31.0	+ 20.054 - 12	+ 3 ± 14	- 5 ± 12	3
29	9.1 F0	2 12.10	3.0927 502	57 52 48.5	20.053 13	- 2 14	- 10 12	4
31	9.1 A0	2 27.51	3.0951 503	57 52 28.1	20.053 13	+ 1 14	- 16 12	5
32	8.7 A0	2 29.95	3.0932 456	55 10 46.6	20.053 14	- 3 14	- 2 12	7
34	9.2 K	2 35.83	3.0974 524	58 56 27.9	20.053 14	+ 1 15	+ 25 13	4
35	9.2 A2	2 37.56	+ 3.0977 + 524	58 56 8.2	+ 20.053 - 14	0 ± 15	- 12 ± 13	5
36	9.1 A0	2 38.31	3.0959 486	56 55 28.5	20.053 14	- 14 14	- 6 12	6
40	7.9 B9	2 51.92	3.0989 506	57 58 12.4	20.053 14	+ 60 13	- 9 11	9
42	9.0 K2	2 55.90	3.0978 474	56 13 5.2	20.053 14	- 6 14	+ 6 12	7
43	9.2 K0	2 59.51	3.0989 484	56 45 11.2	20.052 15	0 14	+ 15 12	8
44	9.0 B8	3 9.95	+ 3.1002 + 481	56 33 50.1	+ 20.052 - 15	- 51 ± 14	0 ± 12	10
45	8.9 A0	3 10.96	3.1027 520	58 37 23.5	20.052 15	+ 20 15	- 30 13	8
46	9.0 A0	3 12.23	3.1002 476	56 16 29.2	20.052 15	- 19 14	- 6 12	9
48	8.7 K7	3 16.51	3.1025 502	57 41 31.3	20.052 15	- 35 14	- 22 12	10
50	9.1 A7	3 23.44	3.1037 505	57 50 16.9	20.052 15	- 17 14	+ 12 12	11
52	8.8 A0	3 28.51	+ 3.1059 + 528	58 58 25.4	+ 20.052 - 16	0 ± 15	- 6 ± 13	9
54	7.9 K0	3 41.32	3.1085 536	59 19 49.2	20.052 16	+ 20 14	+ 9 12	4
55	8.7 K2	3 45.77	3.1075 512	58 8 4.8	20.052 16	+ 61 14	+ 6 12	10
56	8.6 K5	3 46.28	3.1047 471	55 52 26.8	20.051 16	+ 14 13	- 4 12	13
57	9.0 K2	3 46.32	3.1046 470	55 49 31.8	20.051 16	+ 9 13	- 33 11	12
58*	8.3 A	3 52.35	+ 3.1082 + 507	57 49 42.1	+ 20.051 - 16	- 42 ± 12	- 2 ± 11	15
59	7.4 A	3 52.71	3.1083 506	57 47 38.4	20.051 16	- 122 14	+ 10 12	16
61	6.3 B8	3 57.37	3.1070 482	56 28 11.6	20.051 16	+ 27 14	+ 8 12	11
62	7.1 B9	4 1.53	3.1113 530	58 58 39.7	20.051 17	+ 10 14	- 6 12	11
63	8.3 A	4 4.43	3.1103 512	58 3 9.4	20.051 17	+ 27 14	+ 10 12	- 18
64	8.2 A0	4 6.72	+ 3.1069 + 463	55 21 38.4	+ 20.051 - 17	+ 11 ± 14	+ 13 ± 12	14
66	8.1 K0	4 8.00	3.1142 555	60 6 37.4	20.051 17	+ 22 13	- 15 13	- 5
67	8.6 B9	4 9.28	3.1111 512	58 3 2.5	20.051 17	+ 21 14	+ 21 12	- 19
69*	8.0 B9	4 12.44	3.1105 498	57 19 21.7	20.051 17	- 5 12	- 8 11	21
70	8.2 A	4 13.34	3.1118 513	58 4 26.0	20.051 17	- 29 14	+ 34 12	- 22
71	8.8 F0	4 14.39	+ 3.1097 + 485	56 34 19.3	+ 20.051 - 17	- 12 ± 14	- 12 ± 12	12
72	7.9 K0	4 20.24	3.1101 480	56 16 39.8	20.051 17	+ 23 14	- 18 12	13
75	6.6 K0	4 35.27	3.1133 491	56 53 31.6	20.050 18	- 27 16	+ 21 12	14
76*	9.0 A0	4 35.64	3.1139 498	57 13 22.3	20.050 18	- 23 14	- 27 12	24
78*	8.7 A2	4 45.87	3.1189 539	59 16 0.1	20.050 18	+ 38 15	- 1 13	8

58 = BDS 41:9.0, 9.2, 0″.5.
76 = BDS 48:9.1, 11.2, 10″, separated on plates.
70 = BDS 43:8.8, 9.1, 0″.4.
78 = BDS 12760:8.8, 11.2, 0″.9.

Epoch of observation, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
79	8.6 K5	4 49.18	+ 3.1194 + 538	59 12 48.7	+ 20.050 - 18	+.071 ± 15	-.008 ± 13	9
81	8.7 A0	4 55.33	3.1167 497	57 7 40.9	20.050 18	+ 5 14	- 15 12	25
82	8.8 B9	4 55.58	3.1168 498	57 11 9.5	20.050 18	- 11 14	+ 3 12	26
84	8.4 K2	4 58.94	3.1161 485	56 27 28.8	20.049 19	- 6 14	- 3 12	15
85*	8.0 G5	4 59.19	3.1208 535	59 3 59.8	20.049 19	- 4 14	0 12	- 12
88	9.0	5 3.00	+ 3.1186 + 506	57 33 36.3	+ 20.049 - 19	+ 2 ± 15	- 12 ± 13	27
89	7.2 B5	5 3.43	3.1186 505	57 30 58.8	20.049 19	+ 4 14	- 6 12	28
91	7.2 F5	5 11.28	3.1181 488	56 34 33.7	20.049 19	+ 10 14	+ 12 12	16
92	8.6 G5	5 20.21	3.1211 506	57 31 15.9	20.049 19	+ 45 14	+ 12 12	29
95	9.0 F0	5 27.55	3.1207 490	56 40 12.4	20.049 20	- 20 14	- 5 12	17
97	9.5 A	5 40.80	+ 3.1281 + 544	59 20 0.0	+ 20.048 - 20	+ 31 ± 16	- 21 ± 14	—
98	9.1 K0	5 41.71	3.1225 488	56 31 10.3	20.048 20	- 9 14	- 11 12	18
101	9.2 G0	6 6.51	3.1237 468	55 18 36.4	20.047 21	+ 8 12	- 16 10	18
102	6.9 K2	6 10.63	3.1267 490	56 31 56.0	20.047 21	- 10 14	- 4 12	19
104	9.0 A2	6 15.96	3.1260 477	55 46 50.4	20.047 21	+ 7 14	+ 2 12	19
105	9.0 A0	6 16.15	+ 3.1270 + 485	56 14 51.5	+ 20.047 - 21	- 11 ± 14	+ 12 ± 12	20
107	8.0 A5	6 26.01	3.1261 466	55 9 49.2	20.046 21	+ 14 14	- 10 12	21
108	9.0 B8	6 32.68	3.1371 551	59 31 21.7	20.046 22	+ 14 14	- 1 12	13
111	9.4 B5	6 48.90	3.1306 478	55 45 6.2	20.045 22	+ 53 16	- 27 13	23
115	8.3 K7	6 59.84	3.1322 478	55 44 35.0	20.045 23	- 9 13	+ 4 11	24
118	8.5 K0	7 9.42	+ 3.1434 + 556	59 37 24.9	+ 20.044 - 23	+ 26 ± 15	- 4 ± 13	14
119	9.0 K0	7 10.85	3.1422 544	59 6 5.6	20.044 23	- 34 14	+ 10 12	- 14
120	9.1 A0	7 12.69	3.1351 487	56 13 33.1	20.044 23	+ 14 14	0 12	25
122	6.8 K0	7 18.83	3.1440 549	59 18 15.0	20.044 23	+ 54 14	- 4 10	15
124	8.7 A7	7 19.73	3.1426 537	58 43 59.2	20.044 23	- 28 14	0 12	16
125	9.1 A0	7 21.16	+ 3.1417 + 528	58 18 13.3	+ 20.044 - 23	+ 12 ± 16	- 7 ± 11	15
126	8.0 A0	7 28.79	3.1479 566	60 1 30.6	20.044 24	- 22 15	- 4 13	- 16
127*	8.5 G5	7 41.45	3.1487 558	59 38 45.4	20.043 24	+ 183 15	- 6 13	17
128	9.2	7 44.20	3.1497 561	59 46 45.2	20.043 24	- 7 15	+ 4 13	18
130	8.9 G0	7 52.19	3.1392 477	55 33 28.0	20.042 24	+ 2 14	- 9 12	27
132	9.2 A7	8 4.65	+ 3.1427 + 490	56 13 26.7	+ 20.042 - 25	- 34 ± 15	0 ± 12	27
136	8.9 A3	8 9.77	3.1415 477	55 30 45.8	20.042 25	+ 30 12	- 20 10	28
137	9.0 K7	8 9.91	3.1482 523	57 55 49.3	20.042 25	- 11 14	- 4 12	38
140	8.5 G5	8 16.90	3.1497 527	58 5 15.8	20.041 25	+ 170 16	- 27 12	- 39
141	8.9 G0	8 17.23	3.1471 509	57 10 40.8	20.041 25	+ 51 16	- 46 12	40
142	9.0 K7	8 23.10	+ 3.1438 + 480	55 38 41.6	+ 20.041 - 25	+ 3 ± 14	+ 6 ± 12	29
145	8.3 K0	8 30.07	3.1584 571	60 4 37.3	20.040 26	+ 9 14	0 12	- 19
148	8.0 A2	8 34.17	3.1557 549	59 5 2.9	20.040 26	- 16 14	+ 10 12	- 18
149	9.0 K7	8 38.49	3.1576 557	59 26 46.6	20.040 26	0 15	- 9 13	21
151	9.0 F8	8 52.95	3.1487 486	55 52 39.8	20.039 26	- 2 13	- 28 10	32
153	9.1 K7	8 56.09	+ 3.1586 + 546	58 52 10.3	+ 20.039 - 27	- 52 ± 14	+ 3 ± 12	21
154	8.0 B9	9 9.26	3.1602 544	58 44 43.1	20.038 27	- 22 14	- 7 12	22
155	8.9 B9	9 13.55	3.1615 548	58 55 18.2	20.038 27	- 10 14	+ 6 12	23
156	8.5 A0	9 14.32	3.1573 521	57 38 3.8	20.038 27	- 24 14	+ 28 12	44
158	9.2 G5	9 19.70	3.1541 497	56 25 6.3	20.038 27	+ 63 12	- 16 10	29
159	9.1 A3	9 28.08	+ 3.1673 + 570	59 51 41.0	+ 20.037 - 28	+ 24 ± 14	- 10 ± 12	24
161	8.9 F5	9 33.25	3.1523 475	55 10 23.8	20.037 28	+ 9 14	+ 3 12	36
165	9.4 A0	9 48.85	3.1636 528	57 55 16.7	20.036 28	- 40 14	- 20 12	47
168	9.2 K5	10 10.32	3.1670 530	57 56 48.6	20.035 29	+ 4 14	- 10 12	48
171	9.0 A0	10 19.64	3.1685 531	57 59 4.0	20.034 29	+ 60 14	+ 12 12	49

85 = BDS 52:8.1, 10.8, 7". 127 = BDS 12762:8.6, 11.3, 1". Epoch, 1915.77

0^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
172	9.1 K0	10 19.95	+ 3.1757 + 571	59 46 54.2	+ 20.034 - 29	-.020 ± 14	-.008 ± 12	26
173	7.3 A0	10 25.86	3.1632 497	56 12 54.5	20.033 30	- 28 12	- 9 10	31
177	8.5 A2	10 49.53	3.1732 533	57 58 46.8	20.032 31	+ 10 14	- 5 12	52
178	8.9 A7	11 5.84	3.1714 511	56 51 29.3	20.031 31	- 19 14	- 6 12	34
179	7.6 B5	11 8.98	3.1778 542	58 21 46.5	20.031 31	- 4 14	- 11 12	24
181	9.1 K5	11 26.68	+ 3.1683 + 481	55 13 16.6	+ 20.029 - 32	- 6 ± 14	- 15 ± 12	41
182	9.5 A	11 28.03	3.1845 563	59 14 28.6	20.029 32	+ 56 14	- 10 12	27
183	8.7 K7	11 33.30	3.1691 481	55 11 25.4	20.029 32	+ 9 14	- 25 12	42
185	8.6 G0	11 42.58	3.1764 511	56 45 56.7	20.028 32	+ 28 14	- 3 12	37
188	9.1 B9	11 45.86	3.1867 559	59 2 52.8	20.028 32	- 45 14	+ 6 12	- 26
190	9.4 F	11 54.24	+ 3.1908 + 574	59 39 30.0	+ 20.027 - 33	+ 22 ± 15	- 35 ± 13	28
194	9.4 G5	12 12.21	3.1911 562	59 6 20.4	20.026 33	+ 83 14	+ 16 12	- 27
196	9.1 B8	12 15.85	3.1768 491	55 38 39.8	20.026 33	+ 11 13	- 9 10	43
198	8.0 F0	12 16.74	3.1944 575	59 38 27.1	20.025 34	+ 16 14	0 12	30
204	8.6 B8	12 32.82	3.1778 485	55 16 37.2	20.024 34	+ 25 14	- 13 12	44
205	7.7 B9	12 35.15	+ 3.1917 + 549	58 26 41.1	+ 20.024 - 34	+ 21 ± 14	0 ± 12	30
206	8.6 K2	12 37.26	3.1967 571	59 23 54.4	20.024 34	+ 4 15	- 25 13	31
207	8.9 A5	12 47.57	3.1935 549	58 24 54.6	20.023 35	+ 28 14	- 8 12	31
208	9.0 F8	12 58.38	3.2038 588	60 3 58.6	20.022 35	- 203 15	+ 26 13	- 32
210	9.5	13 2.84	3.2045 588	60 4 37.6	20.022 35	- 164 15	+ 26 13	—
211	8.3 K0	13 7.02	+ 3.1898 + 520	56 57 56.1	+ 20.021 - 35	+ 1 ± 14	+ 2 ± 12	42
212	9.1 B5	13 9.32	3.1945 539	57 53 52.8	20.021 35	- 5 14	+ 2 12	58
213	7.0 K2	13 11.49	3.1822 483	55 1 12.0	20.021 35	- 15 14	- 14 12	- 37
214	8.1 K5	13 15.91	3.2059 586	59 56 41.9	20.021 36	+ 29 14	- 5 12	33
216	9.0 F0	13 29.78	3.1953 529	57 23 28.6	20.019 36	- 58 14	0 12	59
218	8.9 F5	13 37.06	+ 3.1952 + 525	57 9 7.8	+ 20.019 - 36	- 35 ± 16	+ 9 ± 12	60
220	9.2 A0	13 38.80	3.2085 582	59 42 48.5	20.019 36	+ 6 15	0 13	35
222	8.6 B0	13 44.51	3.2087 579	59 35 29.0	20.018 37	0 12	0 11	36
223	6.5 G5	13 50.87	3.1913 500	55 51 47.6	20.018 37	+ 56 14	- 23 12	47
225	9.1 A3	13 56.86	3.1981 526	57 8 29.3	20.017 37	+ 6 13	- 4 11	61
226	9.1 K7	14 4.29	+ 3.1935 + 502	55 54 39.2	+ 20.016 - 37	- 16 ± 13	- 14 ± 10	49
229	8.2 G5	14 10.24	3.2002 527	57 9 23.5	20.016 37	- 20 16	- 17 12	63
231	8.7 F8	14 23.08	3.2024 528	57 12 4.0	20.015 38	+ 10 14	- 52 12	64
232	8.6 A0	14 33.18	3.1967 499	55 42 42.5	20.014 38	+ 6 14	0 12	53
235	8.9 K7	14 50.94	3.2037 518	56 38 3.4	20.012 39	- 16 14	- 19 12	46
236	7.7 K2	14 56.39	+ 3.1990 + 497	55 31 12.8	+ 20.012 - 39	- 3 ± 14	- 3 ± 12	54
241	8.0 A0	15 6.03	3.2092 532	57 16 28.9	20.011 39	+ 39 14	- 21 12	69
242	8.5 F0	15 11.31	3.2002 494	55 19 8.6	20.010 39	- 31 14	- 8 12	55
247	9.1 F0	15 43.05	3.2297 592	59 49 14.1	20.007 41	+ 65 14	- 5 12	40
248	8.7 A2	15 43.71	3.2247 572	58 58 47.8	20.007 41	+ 1 14	- 24 12	38
249	8.9 K5	15 45.72	+ 3.2307 + 594	59 54 19.8	+ 20.007 - 41	+ 13 ± 14	- 5 ± 12	41
251	9.2 B8	16 10.32	3.2346 595	59 51 39.0	20.004 42	- 13 14	- 24 12	42
252	9.2 A0	16 17.66	3.2341 589	59 36 42.3	20.004 42	+ 40 15	- 12 13	43
255	9.3 K5	16 28.31	3.2120 501	55 30 48.5	20.002 42	- 16 13	- 2 11	62
257	8.1 A0	16 28.87	3.2356 588	59 32 32.6	20.002 42	- 1 15	- 24 13	45
258	8.0 K7	16 34.01	+ 3.2323 + 573	58 54 6.6	+ 20.002 - 43	+ 8 ± 14	- 11 ± 12	39
259	8.9 K0	16 36.02	3.2243 542	57 32 25.3	20.002 43	+ 59 16	- 13 12	70
260	8.2 B9	16 38.84	3.2114 494	55 6 31.6	20.001 43	- 2 13	- 9 10	49
261	9.0 G5	16 39.76	3.2289 557	58 12 11.0	20.001 43	- 54 14	- 72 12	40
263	9.0 G0	16 54.18	3.2406 593	59 41 0.6	20.000 43	+ 69 15	+ 30 13	47

Epoch of observation, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
264	9.1 A5	16 54.51	+ 3.2294 + 552	57 55 20.3	+ 20.000 - 43	+.039 ± 13	+.011 ± 11	71
265	9.0 A0	17 2.68	3.2432 597	59 50 32.3	19.999 44	+ 28 14	- 4 12	48
269	9.0 A0	17 11.66	3.2338 559	58 11 17.4	19.998 44	- 18 15	- 6 12	41
272	7.6 K2	17 20.98	3.2245 521	56 24 11.0	19.997 44	- 25 14	- 41 12	51
275	7.5 B9	17 26.98	3.2467 597	59 45 36.0	19.996 45	+ 16 14	- 2 12	51
276	9.2 A0	17 28.45	+ 3.2343 + 552	57 51 16.7	+ 19.996 - 45	+ 17 ± 14	+ 11 ± 12	72
277	9.1	17 29.34	3.2251 519	56 17 58.3	19.996 44	+ 1 14	+ 2 12	—
279	8.4 A0	17 31.79	3.2294 533	56 58 25.8	19.996 45	+ 6 14	+ 11 12	52
281	8.0 A0	17 35.87	3.2258 519	56 15 46.2	19.995 45	+ 15 14	- 3 12	53
282*	9.1 A0	17 44.43	3.2246 511	55 50 44.6	19.994 45	+ 4 14	+ 7 12	65
283	7.6 F0	17 45.73	+ 3.2273 + 519	56 16 28.1	+ 19.994 - 45	+ 49 ± 14	- 6 ± 12	54
286	8.8 F0	17 56.48	3.2377 551	57 43 13.9	19.993 46	+ 23 14	- 20 12	74
292	8.9 B8	18 27.50	3.2542 592	59 25 8.1	19.989 47	+ 5 15	- 10 13	54
293	8.6 B3	18 37.57	3.2301 506	55 28 59.0	19.988 47	- 30 13	- 13 12	69
295	7.3 Ma	18 54.63	3.2436 544	57 16 16.2	19.986 48	+ 69 14	- 31 12	77
296	9.1 A2	18 56.91	+ 3.2613 + 601	59 43 22.7	+ 19.986 - 48	+ 25 ± 14	- 16 ± 12	55
299	8.7 A	19 12.52	3.2543 570	58 24 44.8	19.984 48	- 49 14	- 19 12	49
300	8.9 G0	19 12.95	3.2323 499	55 1 13.4	19.984 48	- 9 14	- 73 12	- 58
301	9.1 B8	19 15.33	3.2371 513	55 45 26.6	19.983 48	- 11 14	- 13 12	70
302	9.2 M0	19 17.81	3.2548 570	58 22 31.1	19.983 49	+ 15 16	- 12 12	50
305	8.1 K5	19 21.07	+ 3.2373 + 512	55 40 21.5	+ 19.983 - 48	+ 11 ± 14	- 31 ± 11	71
306*	6.7 G0	19 23.50	3.2404 520	56 5 15.5	19.982 49	- 77 14	- 76 12	- 72
310	8.6 A0	19 30.57	3.2577 573	58 29 21.8	19.982 49	- 9 14	- 16 12	51
313	8.4 K0	19 33.76	3.2497 546	57 16 55.0	19.981 49	- 49 14	- 23 12	80
315	9.1 G0	19 36.15	3.2574 570	58 19 37.0	19.981 49	- 76 14	+ 7 12	52
318	7.9 B9	19 42.03	+ 3.2387 + 508	55 25 14.8	+ 19.980 - 49	+ 36 ± 14	0 ± 12	73
319	8.8	19 42.24	3.2719 614	60 6 20.1	19.980 50	+ 31 14	- 20 12	48
320	9.0 K0	19 43.45	3.2369 501	55 5 12.4	19.980 49	+ 17 14	- 8 12	- 63
322	6.8 A0	19 49.89	3.2432 519	55 56 55.6	19.979 50	+ 13 14	+ 4 12	74
323	9.3 F0	19 52.77	3.2599 570	58 18 43.3	19.979 50	- 3 14	- 57 12	53
324	8.7 G5	19 54.39	+ 3.2410 + 510	55 30 25.5	+ 19.979 - 50	- 8 ± 14	- 37 ± 12	75
325	9.1 K2	19 56.47	3.2406 508	55 23 26.0	19.978 50	- 1 16	- 27 13	77
326	8.9 B9	19 56.88	3.2484 532	56 35 21.0	19.978 50	+ 1 14	- 2 12	61
329	8.6 G5	20 6.48	3.2726 605	59 42 27.5	19.977 50	+ 138 14	+ 108 12	56
332	7.1 K0	20 16.52	3.2766 613	59 58 28.4	19.976 51	+ 25 15	- 26 13	57
333	7.5 K0	20 28.81	+ 3.2713 + 590	59 3 54.3	+ 19.974 - 51	- 35 ± 15	- 26 ± 13	- 55
335	9.1 K0	20 35.67	3.2719 589	59 0 46.7	19.973 51	+ 120 15	- 36 13	- 56
337	7.0 B3	20 47.99	3.2651 563	57 51 42.3	19.972 52	+ 15 14	- 8 11	85
339	9.0 K2	20 58.41	3.2827 612	59 51 57.9	19.970 52	+ 50 13	- 12 11	60
340	9.0 B2	20 59.27	3.2834 614	59 55 59.1	19.970 52	+ 20 14	- 14 12	61
341	9.2 K2	21 11.29	+ 3.2685 + 563	57 50 8.3	+ 19.969 - 53	+ 38 ± 14	- 14 ± 11	87
343	8.7 A	21 18.12	3.2739 577	58 24 0.2	19.968 53	- 3 14	- 11 12	57
344	9.0 A2	21 19.83	3.2581 529	56 13 52.1	19.967 53	- 11 14	+ 5 12	62
347	9.1 K7	21 40.20	3.2627 535	56 27 54.2	19.965 53	- 15 14	- 2 12	63
348	9.0 F5	21 47.53	3.2914 617	59 54 53.0	19.964 54	- 31 12	- 28 10	63
350	8.8 A5	21 59.99	+ 3.2552 + 506	54 59 21.0	+ 19.962 - 54	+ 17 ± 13	- 44 ± 10	70
351	6.9 G0	22 1.85	3.2662 537	56 31 5.6	19.962 54	- 8 14	- 5 12	65
356	7.7 G5	22 19.27	3.2868 590	58 46 39.6	19.959 55	- 50 14	+ 3 12	60
357	8.2 K0	22 32.30	3.2687 533	56 15 16.6	19.957 55	+ 2 14	+ 2 12	66
358	8.9 F5	22 32.61	3.2600 508	55 2 56.4	19.957 55	+ 53 14	- 33 12	- 73

282 = BDS 12776: 9.8, 9.9, 0″.4. 306 = BDS 197: 6.8, 10.0, 1″.9. Epoch, 1915.77

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ′ ″	″		″		″		
360	9.0	F5	22 48.39	+ 3.2621	+ 508	55 1 49.5	+ 19.955	- 56	+.070	± 12	-.030	± 11	- 77
361*	8.9	B8	22 49.31	3.2869	578	58 13 57.1	19.955	56	+ 14	14	- 8	12	61
363	7.5	B9	22 54.45	3.2726	535	56 20 22.2	19.954	56	+ 3	14	0	12	67
364	8.2	K0	22 58.15	3.2911	586	58 33 54.3	19.954	57	+ 3	15	- 70	13	62
365	9.0	B8	23 1.44	3.2674	519	55 30 38.6	19.953	56	+ 20	14	- 9	12	87
366	8.6	G5	23 1.35	+ 3.3000	+ 611	59 31 13.7	+ 19.953	- 57	- 9	± 14	- 21	± 12	65
367	8.7	K7	23 1.63	3.2924	589	58 39 31.9	19.953	57	- 7	15	- 29	13	63
368	9.2	A2	23 5.44	3.2761	541	56 35 30.7	19.953	57	- 7	16	- 39	14	68
369	8.3	G5	23 6.22	3.2911	583	58 24 54.3	19.952	57	+ 5	14	- 30	12	64
370	8.6	F8	23 8.70	3.3007	610	59 27 35.1	19.952	57	+ 28	12	- 7	11	67
373	9.2	A7	23 14.79	+ 3.2698	+ 520	55 34 41.5	+ 19.951	- 57	+ 12	± 14	+ 4	± 12	89
375	8.6	K5	23 20.42	3.2909	577	58 8 1.4	19.950	57	+ 47	15	- 25	13	65
376	9.0	F5	23 22.22	3.3030	611	59 29 33.3	19.950	58	+ 198	12	+ 84	11	—
378*	6.1	B9	23 22.32	3.3013	606	59 17 10.7	19.950	58	- 8	16	- 27	14	68
380	8.8	A0	23 23.07	3.2720	524	55 43 1.2	19.950	57	- 5	13	- 23	11	90
381	9.1	K2	23 26.09	+ 3.2865	+ 563	57 30 22.7	+ 19.950	- 58	+ 28	± 14	- 5	± 12	93
383	8.6	K2	23 33.01	3.2800	542	56 34 28.2	19.948	58	- 28	13	- 34	12	69
385	8.6	K2	23 44.52	3.3017	598	58 56 14.3	19.947	58	+ 88	15	- 38	13	67
388	7.4	G5	23 50.72	3.2810	539	56 22 30.9	19.946	58	+ 50	14	- 75	12	70
390	9.0	K2	24 1.92	3.2940	570	57 44 55.2	19.944	59	+ 39	12	- 24	11	94
391	9.2	G	24 5.93	+ 3.2945	+ 570	57 44 13.1	+ 19.944	- 59	+ 7	± 14	- 3	± 12	—
392	7.9	K2	24 6.92	3.2735	513	55 6 0.2	19.943	59	+ 51	14	- 4	12	- 86
393	6.0	G5	24 9.95	3.2732	512	55 0 48.7	19.943	59	+ 125	14	- 102	12	- 88
394	7.6	A0	24 9.27	3.2862	546	56 40 27.7	19.943	59	- 34	14	+ 16	12	71
398	8.9	A0	24 16.97	3.2765	518	55 18 38.1	19.942	59	+ 13	16	- 13	12	94
401	8.7	B5	24 20.38	+ 3.2868	+ 544	56 33 39.1	+ 19.941	- 59	+ 24	± 12	- 15	± 10	72
403	8.5	M0	24 26.27	3.3144	617	59 33 52.7	19.940	60	0	14	- 41	12	70
404	9.3	A0	24 26.86	3.2936	560	57 15 48.1	19.940	60	+ 38	14	- 32	12	95
405	9.1	B8	24 32.38	3.3146	615	59 28 52.7	19.939	60	0	16	+ 17	14	71
406	8.6	A	24 33.99	3.3139	612	59 22 52.4	19.939	60	+ 7	15	- 9	13	72
407	8.3	K7	24 38.95	+ 3.3165	+ 618	59 33 52.2	+ 19.938	- 60	+ 14	± 13	- 21	± 11	73
409*	8.4	A0	24 41.79	3.2975	565	57 27 10.3	19.938	60	- 2	14	- 14	12	97
410	8.7	A0	24 43.40	3.2970	564	57 22 5.7	19.938	60	+ 29	16	+ 24	13	96
411	9.4	B9	24 43.86	3.3174	618	59 34 20.0	19.938	61	+ 3	14	+ 8	12	—
413	8.4	A0	24 48.38	3.2881	538	56 12 50.1	19.937	60	+ 2	16	- 21	12	74
414	9.0	K5	24 52.66	+ 3.2829	+ 523	55 29 30.6	+ 19.936	- 61	+ 43	± 13	- 6	± 10	97
415	7.2	K0	25 9.90	3.2838	520	55 18 14.0	19.934	61	+ 37	14	+ 5	12	100
416	8.7	B9	25 10.28	3.2929	544	56 25 2.9	19.933	61	- 5	16	- 5	12	75
417	9.1	K2	25 14.74	3.2844	520	55 17 9.6	19.933	61	+ 5	14	- 8	12	—
418	9.5		25 17.89	3.3290	636	60 9 31.7	19.932	62	+ 16	15	- 66	13	65
419	8.9	F0	25 23.86	+ 3.3112	+ 586	58 15 9.9	+ 19.931	- 62	+ 45	± 15	- 40	± 13	72
420	8.8	K5	25 23.59	3.2988	554	56 52 41.9	19.931	62	- 35	14	- 5	12	76
421*	7.0	F2	25 24.04	3.3057	572	57 38 55.3	19.931	62	- 21	14	- 25	12	98
424	8.4	K0	25 55.86	3.3303	625	59 40 36.9	19.926	63	+ 46	15	- 21	13	74
425	7.9	A2	25 56.38	3.3003	547	56 29 40.8	19.926	63	+ 45	12	- 5	10	78
427	8.5	B8	26 0.54	+ 3.3050	+ 558	56 57 16.1	+ 19.925	- 63	+ 8	± 16	- 5	± 14	79
428	9.0	K0	26 3.04	3.3032	552	56 42 37.9	19.925	63	- 4	14	+ 2	12	80
430	8.9	K5	26 13.32	3.3210	595	58 28 9.9	19.923	64	+ 3	15	- 16	13	74
431	8.8	K7	26 20.66	3.2983	535	55 51 13.2	19.922	64					104
432	9.6	A	26 20.66	3.3169	581	57 55 14.7	19.922	64	- 2	14	- 47	12	99

361 = BDS 12781: 9.5, 9.8, 0″.9.
409 = BDS 255: 8.6, 10.6, 0″.3.
378 = PGC 87 = BDS 236: 6.1, 9.9, 0″.8.
421 = BDS 267: 7.0, 11.3, 2″.7.
Epoch, 1915.77

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ″	″	″	″	
434	7.5 B9	26 32.22	+ 3.3382 + 632	59 51 30.8	+ 19.920 - 65	+.025 ± 15	-.026 ± 13	76
438	8.7 K7	26 49.78	3.3176 573	57 31 31.8	19.917 65	+ 9 14	- 3 12	102
439	8.9 F8	27 6.59	3.3175 568	57 14 33.2	19.914 66	- 16 15	- 8 13	104
440	7.5 G0	27 8.13	3.3373 617	59 12 35.2	19.914 66	- 77 14	- 14 12	78
441	8.4 A0	27 10.84	3.3104 549	56 24 32.9	19.913 66	+ 44 12	- 4 10	83
443	8.7 A2	27 20.56	+ 3.3287 + 591	58 11 18.0	+ 19.912 - 66	+ 37 ± 15	+ 4 ± 13	75
447	8.7 G5	27 32.00	3.3175 560	56 51 1.9	19.910 67	+ 22 14	- 3 12	84
448	8.9 K0	27 57.93	3.3142 544	56 4 55.8	19.905 67	- 1 14	+ 8 12	- 108
452	9.3 B8	28 10.46	3.3540 636	59 48 24.6	19.903 68	+ 40 14	- 10 12	80
454	8.7 F8	28 14.60	3.3417 605	58 37 22.5	19.902 68	+ 11 15	+ 6 13	77
456	8.2 A0	28 16.69	+ 3.3107 + 530	55 23 36.6	+ 19.902 - 68	- 2 ± 14	+ 9 ± 12	111
457	9.0 A7	28 21.26	3.3552 635	59 45 11.1	19.901 69	+ 13 14	+ 12 12	81
459*	8.7 A0	28 25.71	3.3369 590	57 59 21.4	19.900 69	- 26 14	- 19 12	106
460*	8.9	28 26.90	3.3370 590	57 59 7.9	19.900 69	+ 9 14	- 8 12	
461	8.4 F0	28 33.59	3.3556 632	59 36 23.9	19.899 69	- 28 15	+ 4 13	83
462	9.0 B5	28 34.47	+ 3.3236 + 555	56 31 6.5	+ 19.899 - 69	+ 2 ± 14	+ 6 ± 12	87
463	9.1 K2	28 38.43	3.3145 533	55 28 46.4	19.898 69	+ 29 14	- 11 12	113
466	7.8 B9	28 49.53	3.3119 524	55 1 4.9	19.896 69	+ 23 14	- 35 12	- 111
468	8.8 A2	29 0.98	3.3511 612	58 48 46.3	19.894 70	+ 1 15	- 10 13	79
471	9.1 G0	29 9.76	3.3185 533	55 25 47.4	19.892 70	- 13 14	- 28 12	114
474	7.0 K2	29 14.14	+ 3.3303 + 559	56 37 8.9	+ 19.891 - 70	+ 19 ± 13	- 16 ± 11	91
476	8.6 A0	29 18.70	3.3239 543	55 52 38.7	19.890 70	- 14 14	- 51 12	115
478*	5.2 A3	29 21.90	3.3638 636	59 38 14.1	19.890 71	+ 9 15	- 14 13	84
480	8.1 K2	29 23.98	3.3369 572	57 7 34.4	19.889 71	- 16 14	- 32 12	109
481*	9.0 A0	29 26.88	3.3230 539	55 39 32.1	19.889 71	- 1 16	- 14 12	116
482	9.1 F0	29 29.76	+ 3.3449 + 589	57 49 20.5	+ 19.888 - 71	+ 14 ± 14	- 5 ± 12	111
483	8.2 K2	29 33.51	3.3455 589	57 49 36.9	19.888 71	+ 54 14	+ 11 12	112
484*	7.6 F5	29 34.31	3.3221 535	55 27 12.9	19.888 71	- 23 13	0 11	117
488	9.1 B8	29 48.28	3.3222 531	55 15 21.5	19.885 71	+ 31 14	+ 6 12	119
490	9.0 K2	30 1.44	3.3244 532	55 17 38.5	19.882 72	+ 38 16	0 12	120
491*	7.3 B9	30 13.49	+ 3.3464 + 579	57 19 40.1	+ 19.880 - 73	+ 12 ± 14	- 23 ± 12	113
492	9.3 K5	30 17.89	3.3576 603	58 18 9.8	19.879 73	- 14 14	+ 8 12	81
493	8.6 K0	30 22.88	3.3737 639	59 37 19.4	19.878 74	+ 17 12	- 3 10	88
494	8.0 K0	30 31.86	3.3618 609	58 28 56.1	19.877 74	+ 22 15	- 21 13	83
495	9.0 K0	30 31.81	3.3570 598	58 2 53.0	19.877 74	- 45 14	- 20 12	- 114
496	9.1 F8	30 39.44	+ 3.3443 + 567	56 45 44.2	+ 19.875 - 74	+ 58 ± 12	+ 4 ± 10	95
497	8.5 A0	30 39.90	3.3431 564	56 38 31.7	19.875 74	+ 19 14	- 15 12	96
499	9.4 A3	30 54.19	3.3583 594	57 51 47.5	19.872 74	+ 11 14	+ 5 12	118
502	8.7 F2	31 9.86	3.3497 570	56 51 16.6	19.869 75	+ 56 14	- 4 12	98
503	8.5 K5	31 12.96	3.3511 572	56 56 14.6	19.868 75	- 21 14	- 33 12	99
505	7.2 K2	31 25.46	+ 3.3842 + 643	59 38 12.8	+ 19.866 - 76	- 4 ± 14	+ 16 ± 12	91
508	7.2 B9	31 32.00	3.3528 571	56 49 44.9	19.865 76	- 22 14	0 12	101
510	7.2 A0	31 41.62	3.3806 630	59 8 18.4	19.863 76	+ 37 15	- 17 13	92
512	8.6 K7	31 46.86	3.3711 607	58 16 12.7	19.862 77	- 8 14	- 28 12	84
518	9.0 K2	32 16.76	3.3899 640	59 25 40.1	19.856 78	+ 4 15	- 25 13	94
519	9.0 K0	32 18.28	+ 3.3522 + 557	56 8 23.3	+ 19.855 - 77	- 10 ± 14	+ 9 ± 12	102
526	8.6 F2	32 55.60	3.4060 663	60 9 41.7	19.848 80	- 33 16	- 12 13	79
528	8.8 A0	33 1.85	3.3984 645	59 30 47.7	19.846 80	+ 8 14	+ 2 12	97
529	6.8 K0	33 11.09	3.3905 625	58 46 40.7	19.844 80	+ 25 15	- 35 13	88
530	7.1 K2	33 16.01	3.3919 626	58 49 36.7	19.843 80	+ 3 15	+ 21 13	89

459,460; micrometric measures show common proper motion. 478 = PGC 119
481 = BDS 12789: 9.6, 10.0, 0″.5. 484 = BDS 12790: 8.4, 8.4, 0″.3. 491 = BDS 330: 8.1, 8.1, 0″.8.
Epoch of observation, 1915.77

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
531	9.0 M0	33 18.00	+ 3.3493 + 536	55 3 25.7	+ 19.843 − 79	+.013 ± 14	−.039 ± 12	− 125
532	8.8 K0	33 18.29	3.3577 553	55 51 15.9	19.843 80	+ 25 12	− 8 10	138
536	9.4 B	33 29.26	3.3808 599	57 45 7.0	19.840 80	− 48 16	− 43 14	125
538	8.7 F5	33 32.37	3.4050 650	59 38 13.1	19.840 81	+ 46 13	− 40 11	98
541	8.9 A2	33 56.93	3.3901 611	58 10 18.0	19.835 81	− 2 15	− 2 13	93
543	7.3 A2	33 59.28	+ 3.3705 + 569	56 29 4.8	+ 19.834 − 81	+ 20 ± 14	+ 19 ± 12	108
546	8.6 K7	34 14.24	3.3998 627	58 43 29.1	19.831 82	+ 21 15	0 13	94
547	9.0 B8	34 15.52	3.3733 571	56 31 20.9	19.831 82	− 14 14	− 2 12	109
548	9.3 A0	34 18.19	3.3947 615	58 16 34.0	19.830 82	+ 9 15	+ 14 13	95
550	8.6 G5	34 40.40	3.3597 538	54 59 46.2	19.826 82	+ 302 14	− 37 12	129
552	9.2 G	34 42.60	+ 3.3893 + 597	57 32 32.8	+ 19.825 − 83	+ 32 ± 14	− 20 ± 12	128
554	7.5 A3	34 46.37	3.4116 642	59 13 41.7	19.824 84	− 13 14	+ 13 12	100
555	8.3 K2	34 52.18	3.3658 547	55 22 57.0	19.823 83	− 2 14	− 35 12	141
559	9.2 A0	35 14.82	3.4002 611	58 1 13.0	19.818 84	+ 18 17	+ 34 14	− 129
560	8.1 K0	35 17.20	3.3989 608	57 53 3.0	19.817 85	− 20 14	− 8 12	130
561	6.5 B9	35 20.75	+ 3.4017 + 612	58 4 3.6	+ 19.816 − 85	+ 35 ± 14	0 ± 12	− 132
562	9.0 K0	35 20.91	3.4197 649	59 24 45.0	19.816 85	+ 30 14	+ 31 12	102
564	8.5 K5	35 28.53	3.3757 558	55 49 4.5	19.814 84	− 4 12	− 38 10	142
566	7.7 B9	35 30.84	3.3889 584	56 54 37.3	19.814 85	− 11 14	+ 8 12	112
567	9.2 B8	35 39.20	3.4052 615	58 6 40.1	19.812 85	+ 24 17	+ 7 14	− 133
570*	9.3 F0	35 45.58	+ 3.3924 + 587	57 0 49.8	+ 19.811 − 85	− 54 ± 14	+ 4 ± 12	− 113
571	9.2 A	35 47.63	3.3918 585	56 56 56.7	19.810 85	+ 11 14	+ 6 12	114
572	9.4 K2	35 55.64	3.3943 588	57 2 51.6	19.808 86	− 30 14	− 10 12	− 115
573	9.0 A0	35 57.77	3.3856 570	56 18 23.8	19.808 86	− 12 14	+ 8 12	116
574	9.1 A0	35 59.90	3.3886 576	56 32 15.2	19.807 86	+ 12 14	− 27 12	117
575	8.8 F2	36 4.79	+ 3.4326 + 664	59 49 1.2	+ 19.806 − 87	+ 58 ± 14	+ 3 ± 12	105
576	8.9 A5	36 13.40	3.4137 623	58 21 12.3	19.804 87	− 26 15	+ 4 13	96
577	7.7 K0	36 19.24	3.3833 561	55 50 53.0	19.803 86	+ 1 16	+ 15 14	145
579	9.0 K2	36 24.96	3.3823 558	55 41 44.3	19.802 87	+ 19 14	− 2 12	146
580	8.9 F2	36 25.86	3.3893 571	56 16 38.4	19.801 87	− 53 14	− 18 12	118
581	8.9 A0	36 29.73	+ 3.3912 + 574	56 23 21.9	+ 19.801 − 87	+ 2 ± 14	− 5 ± 12	119
585	9.3 G0	36 55.50	3.3930 571	56 13 48.3	19.794 88	− 15 16	− 15 14	120
589	9.1 K0	37 9.72	3.4418 664	59 42 43.6	19.791 90	+ 14 14	− 5 12	110
596	8.4 K0	37 27.38	3.3892 556	55 32 21.0	19.787 89	− 1 16	− 31 12	151
597	9.4 K0	37 33.76	3.3979 572	56 11 24.3	19.786 89	+ 64 14	+ 21 12	122
598*	8.7 F0	37 34.38	+ 3.4445 + 663	59 37 28.2	+ 19.785 − 91	+ 57 ± 14	+ 4 ± 12	111
600	9.1 G5	37 42.80	3.3938 562	55 43 55.7	19.783 90	− 118 14	− 103 12	152
602	9.3 A0	37 57.77	3.4487 665	59 38 48.9	19.780 91	+ 18 14	+ 24 12	112
603	8.2 A0	38 4.20	3.4110 590	56 52 50.4	19.778 91	+ 74 14	− 12 12	123
607	9.0 A3	38 11.91	3.4244 613	57 47 39.2	19.776 91	− 14 14	− 19 12	137
609	8.4 B9	38 24.06	+ 3.4203 + 603	57 21 15.7	+ 19.773 − 92	− 18 ± 14	− 14 ± 12	138
611	7.0 F0	38 35.82	3.4056 572	56 5 26.4	19.771 92	− 36 14	− 9 12	− 157
614	9.0 F8	39 0.76	3.4590 668	59 38 47.8	19.764 94	+ 3 13	− 35 11	114
620	9.0 A0	39 21.51	3.4038 559	55 25 43.9	19.759 93	0 14	− 11 12	160
621	8.8 F5	39 21.58	3.4194 588	56 38 54.1	19.759 94	− 28 14	+ 17 12	126
625	6.7 G5	39 26.07	+ 3.4516 + 647	58 53 26.9	+ 19.758 − 95	− 20 ± 15	− 4 ± 13	101
627	7.3 K2	39 50.85	3.4662 669	59 35 1.5	19.752 96	+ 17 13	+ 12 11	116
628	8.8 K2	39 56.57	3.4028 550	54 57 25.4	19.750 95	− 7 14	− 27 12	152
629	9.2 K2	39 57.35	3.4144 570	55 52 32.6	19.750 95	0 14	− 9 12	161
630	8.8 K2	40 5.19	3.4193 578	56 10 6.4	19.748 95	+ 22 14	− 4 12	127

570 = BDS 12797: 9.9, 10.2, 0″.7. 598 = BDS 12805: 9.2, 9.9, 0″.5. Epoch, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
631	9.1 F8	40 7.34	+ 3.4085 + 558	55 17 42.7	+ 19.748 - 95	-.027 ± 16	-.010 ± 12	163
633	9.0 G5	40 14.43	3.4551 642	58 37 7.2	19.746 96	- 24 15	- 18 13	102
634	8.4 G5	40 15.82	3.4044 548	54 52 32.0	19.746 95	- 7 14	- 14 12	154
636	9.0 A	40 20.57	3.4561 642	58 37 15.0	19.744 97	- 19 15	- 24 13	104
638	8.5 K7	40 27.30	3.4384 608	57 19 57.7	19.743 97	- 30 14	- 7 12	145
639	8.8 A0	40 36.84	+ 3.4332 + 596	56 51 42.6	+ 19.740 - 97	+ 7 ± 14	+ 18 ± 12	128
640	8.8 K2	40 37.33	3.4417 612	57 27 39.8	19.740 97	- 6 14	+ 16 12	146
643	8.4 F2	40 42.17	3.4754 673	59 38 29.6	19.739 98	+ 45 15	+ 7 13	119
649	8.8 F5	41 21.02	3.4544 625	57 52 40.8	19.729 99	- 82 14	- 18 12	149
650	8.8 F5	41 24.55	3.4709 654	58 55 31.6	19.728 99	+ 12 15	- 109 13	110
652	8.4 K0	41 25.58	+ 3.4899 + 690	60 5 2.8	+ 19.728 - 100	+ 24 ± 14	- 25 ± 12	- 122
654	7.8 A2	41 28.28	3.4174 557	55 6 58.8	19.727 98	- 6 14	- 42 12	166
656	9.1 A0	41 33.72	3.4299 578	56 0 47.8	19.725 99	+ 28 11	- 6 9	- 167
657	8.1 K7	41 41.96	3.4494 611	57 19 29.7	19.723 99	- 9 15	+ 9 13	151
658	8.9 B9	41 42.28	3.4523 616	57 31 10.7	19.723 99	+ 14 15	+ 5 13	152
659	8.8 B0	41 46.12	+ 3.4562 + 622	57 44 48.8	+ 19.722 - 100	- 1 ± 14	0 ± 12	153
660	8.9 A0	41 48.33	3.4268 569	55 37 27.4	19.722 99	- 8 14	- 25 12	169
662	8.8 K0	41 51.65	3.4306 575	55 52 41.8	19.721 99	- 12 14	- 14 12	170
663	8.3 G5	41 54.08	3.4415 594	56 38 40.6	19.720 100	+ 24 14	+ 14 12	130
664	9.0 K5	41 55.05	3.4740 653	58 49 2.2	19.720 101	+ 27 15	- 6 13	112
665	7.1 Ma	41 59.50	+ 3.4388 + 588	56 23 34.6	+ 19.719 - 100	0 ± 14	- 4 ± 12	131
667*	8.4 F5	42 16.52	3.4983 692	60 4 38.1	19.714 102	+ 16 14	- 19 12	- 125
670	9.4 F8	42 27.45	3.5003 693	60 5 21.6	19.711 102	+ 24 14	- 19 12	- 126
671	9.2 B9	42 31.22	3.4510 603	56 55 39.7	19.710 101	- 7 16	+ 19 14	133
672	9.3 G0	42 31.73	3.4901 673	59 26 43.5	19.710 102	- 10 17	- 49 15	—
673	9.0 K2	42 39.12	+ 3.4465 + 593	56 32 28.2	+ 19.708 - 101	+ 28 ± 14	- 18 ± 12	134
674	9.3 G5	42 40.32	3.4844 661	59 1 17.2	19.708 102	+ 136 15	- 27 13	- 115
675	8.5 A0	42 40.23	3.4697 634	58 5 32.8	19.708 102	+ 66 15	- 25 13	- 156
676	9.0 K0	42 40.16	3.4478 595	56 36 58.2	19.708 101	- 5 14	- 13 12	135
678	9.0 B9	42 47.14	3.4804 652	58 42 24.0	19.706 103	+ 22 15	0 13	116
680	8.9 M0	42 54.41	+ 3.4938 + 675	59 27 1.8	+ 19.704 - 103	+ 14 ± 15	- 29 ± 13	128
681	8.4 G5	42 59.77	3.4397 577	55 50 38.0	19.703 102	+ 93 12	+ 34 10	171
682*	8.6 A0	43 5.41	3.4482 591	56 23 28.0	19.701 102	+ 18 14	+ 16 12	136
683	7.6 B2	43 6.78	3.4882 661	58 59 24.6	19.701 104	+ 15 13	- 11 11	119
686	8.6 A0	43 21.14	3.4440 580	55 55 53.5	19.697 103	+ 14 13	- 5 10	173
687	8.2 A0	43 26.78	+ 3.4764 + 636	58 3 47.5	+ 19.695 - 104	+ 44 ± 13	+ 2 ± 11	- 158
688	8.7 A0	43 28.02	3.4767 636	58 4 22.3	19.695 104	- 3 13	0 11	- 159
690	9.3 K	43 36.30	3.5042 683	59 39 25.3	19.692 105	- 43 17	- 91 15	—
693	9.4 F0	43 38.01	3.4936 664	59 0 44.4	19.692 105	- 85 18	- 20 15	- 121
694	8.6 K2	43 38.57	3.4466 581	55 56 47.3	19.692 104	+ 22 16	- 32 14	175
696	9.1 F5	43 47.18	+ 3.5056 + 683	59 38 3.0	+ 19.689 - 106	- 14 ± 15	- 60 ± 13	129
698	9.0 M0	43 48.95	3.4977 668	59 9 24.1	19.689 105	- 51 16	+ 13 14	130
701	9.0 G5	43 56.21	3.4640 607	56 58 2.3	19.687 105	+ 6 14	+ 17 12	138
704	8.9 M0	44 3.80	3.5058 679	59 29 34.7	19.685 106	- 46 16	- 55 13	131
705	8.0 G0	44 12.79	3.4497 580	55 49 22.1	19.682 105	+ 29 14	- 75 12	178
706	9.2 B9	44 13.37	+ 3.4520 + 583	55 58 47.8	+ 19.682 - 105			179
708	9.2 A2	44 30.26	3.4459 570	55 22 26.8	19.677 105	- 3 ± 14	- 21 ± 12	183
709*	8.8 A	44 37.50	3.5009 663	58 53 33.0	19.675 107	+ 15 15	- 9 13	124
710	8.9 K5	44 46.36	3.4602 591	56 13 4.1	19.673 106	- 37 14	+ 13 12	140
711	8.8 A2	44 51.17	3.5120 679	59 24 34.1	19.671 108	- 17 14	- 22 12	132

667 = BDS 433:8.5,10.8,9", separated on plates.
709 = BDS 12812:9.0,11.0,0".8.

682 = BDS 12810:9.1,9.6,0".2.
Epoch of observation, 1915.77

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
713	9.0 F5	44 55.95	+ 3.4724 + 610	56 56 53.1	+ 19.670 − 107	+.044 ± 14	+.005 ± 12	141
714	8.3 Ma	44 56.57	3.5065 668	59 2 42.5	19.670 108	+ 20 15	− 19 13	− 127
715	9.1 F0	45 0.00	3.4567 582	55 50 44.2	19.669 107	− 10 14	− 4 12	187
716	7.3 K5	45 0.54	3.4530 576	55 35 3.0	19.669 107	+ 2 14	− 9 12	188
717	9.0 K2	45 4.24	3.4882 635	57 52 18.7	19.668 108	+ 8 14	− 10 12	163
718	9.1 K2	45 5.56	+ 3.4890 + 636	57 54 19.6	+ 19.667 − 108	− 51 ± 14	− 4 ± 12	162
720	9.0 K2	45 17.86	3.4570 579	55 41 34.6	19.664 108	+ 4 14	+ 5 12	189
721	8.5 K2	45 21.12	3.4761 611	56 56 38.9	19.663 108	+ 58 14	+ 1 12	142
730	7.5 B9	45 46.60	3.4736 601	56 32 22.4	19.656 109	+ 13 14	− 10 12	143
731	9.0 A5	45 55.70	3.5166 673	59 4 54.2	19.653 111	+ 9 15	− 15 13	− 129
732	7.7 A2	46 0.51	+ 3.5337 + 701	59 59 9.7	+ 19.652 − 111	+ 46 ± 14	− 1 ± 12	134
733	9.3 A0	46 1.49	3.5071 655	58 28 49.2	19.651 110	+ 12 17	+ 14 14	131
735	8.7 K5	46 3.35	3.4546 567	55 5 22.5	19.651 109	+ 7 13	− 21 10	− 171
736	8.6 F0	46 10.01	3.5092 657	58 31 41.5	19.649 111	+ 29 15	0 13	132
738	9.1 K5	46 42.20	3.5143 658	58 32 9.3	19.639 113	+ 69 15	+ 1 13	—
739	9.2 B5	46 43.24	+ 3.5391 + 701	59 53 46.5	+ 19.639 − 113	+ 2 ± 13	− 10 ± 11	137
740	7.4 F0	46 45.24	3.4789 598	56 20 6.2	19.638 111	+ 36 14	− 1 12	144
741	9.0 B8	46 46.21	3.4596 567	55 1 53.5	19.638 111	+ 16 14	− 34 12	− 174
742	8.5 A3	46 49.72	3.5357 693	59 39 21.6	19.637 113	− 8 15	− 21 13	138
743	8.4 A0	46 52.38	3.4610 568	55 4 5.6	19.636 111	+ 37 12	− 30 10	− 175
747	7.3 A5	47 10.79	+ 3.4719 + 582	55 38 27.9	+ 19.631 − 112	+ 84 ± 14	− 10 ± 12	195
748	9.3 F5	47 16.66	3.4730 583	55 39 14.0	19.629 112	+ 13 14	− 43 12	196
750	8.9 G	47 24.56	3.5365 687	59 23 54.8	19.627 114	+ 45 14	+ 14 12	141
755*	5.0 K0	47 35.64	3.5185 654	58 17 42.6	19.623 114	− 4 15	− 34 13	134
757	8.6 G0	47 41.36	3.4772 585	55 42 1.1	19.622 113	− 57 14	− 43 12	198
758	9.1 A0	47 43.13	+ 3.4856 + 598	56 14 14.5	+ 19.621 − 114	+ 10 ± 14	+ 2 ± 12	147
760	7.3 K5	47 48.57	3.4921 608	56 35 51.9	19.619 114	− 24 14	− 13 12	149
761	7.8 G5	47 52.84	3.4803 588	55 48 15.7	19.618 114	+ 62 14	+ 4 11	200
763	9.1 F0	48 4.44	3.5070 629	57 22 18.8	19.615 115	+ 35 14	− 25 12	168
769	9.0 K0	48 42.43	3.5292 658	58 19 15.8	19.603 117	− 18 15	+ 11 13	135
770	7.0 K2	48 48.57	+ 3.5127 + 629	57 19 8.7	+ 19.601 − 117	+ 68 ± 14	− 11 ± 12	172
773	8.7 G0	48 56.10	3.5499 689	59 19 42.7	19.599 118	+ 1 13	− 20 11	143
774	8.2 K0	48 56.44	3.5323 660	58 22 21.3	19.599 118	− 15 15	+ 13 13	136
775	7.3 A0	49 7.34	3.5036 611	56 36 32.2	19.595 117	− 10 14	+ 17 12	151
779	8.6 G5	49 13.36	3.5545 693	59 25 14.2	19.593 119	− 18 18	− 25 15	145
780*	5.0 K0	49 13.55	+ 3.5374 + 664	58 30 16.6	+ 19.593 − 118	− 91 ± 15	− 40 ± 13	138
781	8.2 K5	49 14.42	3.4815 575	55 8 29.0	19.593 117	+ 5 14	− 33 12	205
782	7.9 A0	49 15.84	3.5536 691	59 21 20.8	19.593 119	+ 32 16	− 21 14	147
783*	6.4 B9	49 16.21	3.5600 701	59 41 7.7	19.593 119	+ 17 14	− 26 12	146
784	8.8 F0	49 16.85	3.5481 682	59 3 38.4	19.592 119	+ 27 15	+ 17 13	− 139
787	9.1 G5	49 34.58	+ 3.5132 + 621	56 56 41.6	+ 19.587 − 118	− 13 ± 14	+ 12 ± 12	155
789	8.6 K2	49 37.14	3.4911 586	55 33 45.8	19.586 118	+ 11 12	− 4 11	208
791	9.0	49 44.99	3.5641 702	59 39 22.9	19.584 120	+ 8 14	− 43 15	149
792	8.4 K0	49 46.01	3.5644 702	59 39 42.4	19.583 120	+ 19 14	− 33 15	150
793	9.3 A	49 46.05	3.5489 677	58 51 19.8	19.583 120			140
794	8.9 A0	49 47.23	+ 3.5157 + 623	56 59 15.7	+ 19.583 − 119	+ 51 ± 14	− 7 ± 12	157
797	9.0 K5	49 52.33	3.5608 695	59 25 33.1	19.581 121	+ 44 18	+ 13 15	151
798	9.2 B8	49 59.43	3.4979 593	55 47 47.6	19.579 119	+ 28 12	− 25 11	210
800	8.8 A5	50 9.46	3.5662 700	59 33 40.4	19.576 121	+ 44 14	+ 11 12	154
801	9.0 G0	50 17.46	3.5060 602	56 8 33.6	19.573 120	+ 44 14	− 63 12	158

755 = PGC 193. 780 = PGC 200. 783 = PGC 201 = BDS 489:6.9, 7.6, 0″.2. Epoch, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
802	9.1 B8	50 22.10	+ 3.4913 + 578	55 10 54.7	+ 19.572 - 119	-.011 ± 14	-.036 ± 12	212
804	9.1 A0	50 25.88	3.5662 697	59 25 39.4	19.571 122	+ 12 15	- 18 13	156
805	9.4 B9	50 33.20	3.4926 578	55 10 7.8	19.568 120	- 3 16	- 26 14	214
806	9.0 B0	50 39.37	3.5028 593	55 45 16.8	19.566 120	- 14 16	- 9 12	215
810	8.5 B	50 46.47	3.4941 578	55 8 52.0	19.564 120	+ 26 14	- 6 12	216
811	9.4	50 46.49	+ 3.4939 + 578	55 8 17.7	+ 19.564 - 120	+ 23 ± 17	- 1 ± 14	217
812	8.8 A	50 54.11	3.5140 608	56 18 43.9	19.562 121	+ 40 13	0 11	160
813	8.7 A3	50 55.14	3.5183 614	56 33 15.0	19.561 122	- 11 14	+ 1 12	161
815	9.1 G5	51 30.14	3.5200 611	56 21 50.1	19.550 123	+ 11 14	+ 1 12	—
822	9.0 G0	52 10.83	3.5237 609	56 14 49.2	19.537 124	+ 108 14	- 59 12	168
823	7.2 G5	52 27.69	+ 3.5942 + 716	59 50 6.6	+ 19.531 - 127	+ 30 ± 13	- 23 ± 11	161
824	9.3 A0	52 36.94	3.5295 613	56 21 37.9	19.528 126	+ 21 13	+ 2 11	171
825	8.9 B9	52 39.39	3.5588 658	57 57 38.3	19.527 127	- 35 14	0 12	177
828	8.9 F2	52 46.11	3.5508 644	57 28 50.4	19.525 126	+ 35 14	- 92 12	178
830	9.0 A2	52 51.24	3.6043 727	60 7 52.1	19.523 129	+ 18 16	- 9 13	141
831	8.5 A2	52 51.80	+ 3.5824 + 692	59 4 12.1	+ 19.523 - 128	- 29 ± 15	- 20 ± 13	- 148
832	8.5 A0	52 58.18	3.5978 715	59 46 11.7	19.521 129	+ 27 14	+ 54 12	163
833	7.2 A3	53 3.04	3.5572 651	57 41 22.1	19.519 127	- 24 14	+ 18 12	179
835	9.1 F8	53 19.95	3.5269 602	55 51 33.6	19.514 127	+ 77 14	+ 5 12	222
838	8.9 Mb	53 27.28	3.5293 604	55 56 16.8	19.511 127	+ 21 14	+ 15 12	224
840*	8.4 F5	53 30.45	+ 3.6012 + 714	59 41 4.4	+ 19.510 - 130	+ 29 ± 12	- 34 ± 11	166
841	9.0 A0	53 42.39	3.5458 626	56 45 15.5	19.506 128	+ 24 14	- 7 12	173
842	8.8	53 44.24	3.6128 730	60 7 3.8	19.505 131	- 3 16	- 9 14	142
846	9.1 M0	54 14.09	3.5238 588	55 14 10.3	19.495 129	+ 4 14	- 42 12	225
847	7.1 A2	54 16.09	3.5578 638	57 8 34.8	19.495 130	- 22 14	+ 12 12	180
848	8.7 K5	54 17.24	+ 3.5570 + 637	57 5 27.5	+ 19.494 - 130	- 15 ± 12	- 20 ± 10	- 175
849	9.0 M0	54 25.55	3.5242 587	55 9 54.1	19.491 129	+ 12 14	- 33 12	227
850	8.1 F2	54 27.03	3.5933 690	58 52 19.7	19.491 132	+ 18 15	0 13	152
851	9.1 G0	54 32.44	3.5281 591	55 20 35.1	19.489 130	+ 25 14	- 31 12	228
852	7.0 K0	54 40.74	3.5346 599	55 39 19.4	19.486 130	+ 53 13	- 16 10	229
856	9.0 B8	54 54.28	+ 3.5742 + 656	57 42 25.6	+ 19.481 - 132	- 25 ± 14	- 5 ± 12	181
858	7.1 K2	55 2.65	3.5935 684	58 36 50.4	19.479 133	+ 9 15	- 36 13	155
861	8.7 B9	55 14.21	3.6130 711	59 27 13.8	19.475 134	+ 17 13	+ 6 11	169
865	8.5 M9	55 23.43	3.6044 696	58 58 59.8	19.471 134	+ 41 15	+ 8 13	157
866	8.9 B9	55 26.61	3.5764 653	57 34 31.2	19.470 133	- 2 14	+ 15 12	184
868	8.9 G5	55 33.29	+ 3.5728 + 647	57 19 58.3	+ 19.468 - 133	- 37 ± 14	- 21 ± 12	185
870	8.0 K0	55 45.77	3.5962 680	58 25 10.1	19.464 135	- 19 15	- 17 13	158
875	9.0 B8	55 56.27	3.5681 636	56 54 42.1	19.460 134	- 8 14	- 26 12	180
876	6.9 K5	56 2.08	3.5949 675	58 14 13.7	19.458 135	+ 12 15	- 7 13	162
877	9.1 K7	56 12.35	3.6038 686	58 35 18.2	19.454 136	+ 5 15	- 23 13	163
879	8.0 A2	56 15.36	+ 3.5820 + 653	57 29 16.8	+ 19.453 - 135	+ 8 ± 14	- 14 ± 12	187
881	9.3 F2	56 25.00	3.6248 715	59 28 42.5	19.450 137	+ 39 14	- 13 12	174
885	9.2 A0	56 38.03	3.5524 606	55 44 45.0	19.445 135	+ 22 14	- 27 12	234
886	6.9 K0	56 44.62	3.5662 625	56 26 42.7	19.443 136	+ 8 14	- 11 12	183
887	8.1 F8	56 45.52	3.5433 592	55 10 34.0	19.443 135	+ 152 14	- 67 12	236
888	8.0 B9	56 51.59	+ 3.5838 + 649	57 18 34.4	+ 19.440 - 137	+ 9 ± 14	- 28 ± 12	188
889	9.0 A	56 54.38	3.5834 648	57 16 8.3	19.439 137	+ 15 14	+ 8 11	189
890	9.2 B2	56 56.11	3.6340 723	59 39 52.8	19.439 139	+ 33 16	- 6 13	176
891	8.3 K0	57 0.53	3.5862 651	57 22 3.1	19.437 137	+ 21 12	+ 9 11	190
892	9.1 K0	57 3.54	3.5691 626	56 27 18.2	19.436 136	+ 17 14	+ 14 12	185

840 = BDS 12820: 9.0, 9.4, 0".2.

Epoch of observation, 1915.77

$0^h - 1^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
893	9.0 A3	57 4.40	+ 3.5551 + 606	55 41 32.9	+ 19.436 - 136	+.020 ± 13	+.012 ± 10	238
895	8.5 F8	57 15.02	3.5652 618	56 9 52.3	19.432 137	+ 96 14	- 97 12	186
896	7.9 A0	57 21.43	3.5470 591	55 6 24.1	19.429 136	- 14 14	- 24 12	- 215
898	9.0 A0	57 31.06	3.6174 691	58 39 17.1	19.426 139	- 25 15	- 21 13	165
903	9.2 K5	58 4.33	3.6239 695	58 43 11.8	19.414 141	- 7 17	- 16 14	168
904	7.8 A0	58 6.35	+ 3.6555 + 742	60 6 5.8	+ 19.413 - 142	+ 7 ± 14	- 45 ± 12	162
905	9.1 F0	58 17.13	3.5659 609	55 43 48.2	19.409 139	- 8 14	- 3 12	240
907	8.9 B9	58 25.65	3.6478 727	59 38 26.4	19.406 142	+ 29 13	+ 6 11	180
908	7.0 B5	58 29.72	3.5937 647	57 5 9.7	19.405 141	- 30 14	- 22 12	- 191
915	8.9 F0	58 48.71	3.5938 643	56 56 58.4	19.398 141	- 14 13	+ 12 11	193
918*	9.0 A0	58 51.52	+ 3.6162 + 675	58 1 17.7	+ 19.396 - 142	- 30 ± 14	- 5 ± 12	- 194
920	8.9 G5	58 56.89	3.6104 666	57 42 28.1	19.394 142	- 56 14	+ 6 12	195
921	9.0 G0	59 4.52	3.6194 678	58 4 53.7	19.392 143	- 21 14	- 22 12	- 196
923	9.0 K7	59 7.43	3.5734 612	55 45 48.0	19.391 141	- 9 12	- 9 10	241
924	8.9 F0	59 7.89	3.6201 678	58 5 26.7	19.390 143	- 37 14	- 12 12	- 197
925	7.2 A0	59 12.89	+ 3.6450 + 713	59 11 20.6	+ 19.389 - 144	+ 19 ± 14	+ 1 ± 12	181
926	8.8 F2	59 12.88	3.6321 695	58 36 37.3	19.389 144	- 28 15	+ 7 13	173
927	7.9 K0	59 18.01	3.5877 630	56 25 45.2	19.387 142	- 12 14	+ 18 12	195
928	9.3 A2	59 22.28	3.6052 654	57 16 29.7	19.385 143	- 28 17	- 8 14	198
929	6.5 K0	59 26.17	3.5856 626	56 16 3.7	19.384 142	+ 133 14	- 125 12	196
932	8.7 G0	59 36.21	+ 3.6059 + 653	57 12 19.7	+ 19.380 - 144	- 108 ± 14	- 156 ± 12	199
933	7.5 A0	59 39.02	3.5767 611	55 42 18.0	19.379 143	+ 8 14	+ 22 12	243
934	8.9 F5	59 39.01	3.5824 619	56 0 23.2	19.379 143	+ 7 13	- 21 10	- 244
936	9.0 F5	59 45.57	3.6513 717	59 14 25.8	19.377 146	+ 72 14	- 6 12	185
938	9.0 K0	59 55.96	3.5896 626	56 15 4.6	19.372 144	+ 10 14	- 16 12	197
942	8.3 K0	0 23.25	+ 3.6450 + 700	58 42 9.4	+ 19.362 - 147	- 2 ± 15	- 19 ± 13	176
946	8.4 G5	0 33.28	3.6642 726	59 28 3.3	19.358 148	+ 31 15	- 7 13	188
949*	6.5 B8	0 54.89	3.6255 667	57 35 43.1	19.350 147	- 27 14	- 5 12	200
950	8.4 K2	1 13.28	3.6202 657	57 13 5.3	19.343 148	+ 20 14	- 17 12	201
953	9.0 B0	1 26.00	3.6846 746	59 57 35.9	19.338 150	+ 9 14	- 23 12	191
954	8.3 F5	1 35.52	+ 3.6347 + 673	57 44 44.8	+ 19.334 - 149	+ 37 ± 14	- 26 ± 12	203
955	9.0 B9	1 38.59	3.6201 652	57 2 17.0	19.333 148	+ 3 14	+ 6 12	- 204
958	6.3 F2	1 58.70	3.6157 643	56 41 0.0	19.325 149	- 89 14	- 34 12	207
967	9.0 K2	2 24.80	3.6224 648	56 49 49.0	19.315 150	- 34 14	- 28 12	209
969	9.1 A0	2 38.51	3.6175 639	56 30 3.0	19.310 151	+ 18 14	+ 6 12	210
970	9.4 K2	2 41.87	+ 3.6718 + 714	58 56 1.0	+ 19.309 - 153	+ 59 ± 19	- 28 ± 16	180
971	8.3 A3	2 44.16	3.6574 693	58 17 51.6	19.307 152	- 69 15	- 4 13	181
972	9.1 F0	2 52.93	3.6786 721	59 8 42.7	19.304 154	+ 28 14	- 9 12	196
973	9.0 G0	2 56.89	3.6733 713	58 54 12.8	19.303 154	+ 122 15	- 9 13	182
974	8.5 A	2 58.11	3.6404 667	57 26 34.6	19.302 152	- 27 14	- 15 12	207
975	9.3 A2	3 2.42	+ 3.6775 + 718	59 2 14.1	+ 19.300 - 154	+ 5 ± 13	- 8 ± 11	- 183
976	8.5 A0	3 7.28	3.6327 655	57 1 41.4	19.298 152	- 1 12	- 29 10	- 211
978	8.2 K0	3 10.72	3.6747 713	58 52 8.1	19.297 154	+ 12 15	- 21 13	185
979	7.4 B9	3 21.83	3.6155 630	56 6 29.5	19.293 152	+ 20 14	- 4 12	- 255
981	9.5 G	3 27.09	3.5968 604	55 8 18.3	19.291 152	+ 56 13	- 59 11	257
986	9.3 B	3 46.35	+ 3.6362 + 654	56 55 51.2	+ 19.283 - 154	- 5 ± 14	- 12 ± 12	213
987	8.0 K0	3 48.66	3.7045 748	59 50 24.2	19.282 156	+ 3 14	+ 18 12	199
988	8.6 B9	3 53.43	3.6062 613	55 26 2.9	19.280 153	+ 19 14	- 17 12	260
992	8.8 A0	3 57.74	3.6211 632	56 8 10.6	19.278 154	+ 32 14	- 5 12	215
993	8.8 A3	4 0.48	3.6538 675	57 38 15.3	19.277 155	+ 14 13	- 19 11	212

918 = BDS 12825: 9.7, 9.9, 0″.2.

949 = PGC 247

Epochs: Stars 893 to 938, 1915.77; stars 942 to 993, 1915.82

1^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
994	8.5 K2	4 7.86	+ 3.6632 + 687	58 0 11.9	+ 19.274 - 155	+.002 ± 13	-.007 ± 11	- 215
995	8.9 A2	4 7.88	3.6616 685	57 55 45.0	19.274 155	- 33 14	+ 12 12	214
999	8.5 B5	4 13.32	3.6545 674	57 35 8.1	19.272 156	+ 15 13	+ 9 11	216
1001	9.3 G0	4 15.26	3.6080 612	55 22 37.6	19.271 154	+ 39 14	+ 4 12	261
1007	8.7 F8	4 40.40	3.6581 675	57 34 9.1	19.261 157	+ 86 14	- 43 12	218
1009	9.1 G0	4 42.36	+ 3.6562 + 672	57 27 52.9	+ 19.260 - 157	- 67 ± 14	- 10 ± 12	219
1011	8.9 A0	4 47.81	3.6207 624	55 47 0.2	19.258 155	- 23 12	- 15 11	264
1012	9.0 B5	4 48.59	3.7093 744	59 38 52.6	19.258 159	+ 18 12	- 10 11	203
1014	8.3 F2	4 58.83	3.6215 623	55 44 45.2	19.254 156	+ 3 12	- 1 10	265
1020	8.5 A0	5 15.18	3.6140 611	55 16 26.3	19.247 156	+ 18 12	- 30 10	266
1022	8.2 K5	5 19.80	+ 3.6407 + 645	56 31 4.4	+ 19.245 - 157	- 34 ± 14	- 2 ± 12	221
1023	9.0 A2	5 23.38	3.6112 606	55 4 38.5	19.243 156	- 42 14	- 21 12	- 241
1024	8.9 A3	5 23.72	3.6303 631	56 0 21.4	19.243 157	- 3 12	- 16 11	- 267
1027	7.0 K5	5 33.47	3.6515 658	56 55 29.7	19.239 158	- 27 14	- 9 12	223
1028	8.7 F0	5 36.09	3.6459 650	56 39 23.5	19.238 158	+ 10 14	+ 8 12	224
1029	8.6 K7	5 35.88	+ 3.6765 + 691	58 0 14.1	+ 19.238 - 160	- 69 ± 15	- 31 ± 13	- 221
1031	8.8 F2	5 47.49	3.6601 667	57 13 11.8	19.234 159	+ 15 15	- 13 13	223
1032	9.4 B	5 55.07	3.6896 705	58 26 6.9	19.230 161	- 19 15	- 27 13	195
1033	9.3 K0	5 57.05	3.6214 615	55 21 36.1	19.230 158	+ 11 14	+ 7 12	268
1034	8.3 K7	6 3.64	3.6392 637	56 9 45.3	19.227 159	+ 5 12	- 23 11	225
1036	8.9 B8	6 6.02	+ 3.6902 + 704	58 23 28.5	+ 19.226 - 162	+ 10 ± 15	- 12 ± 13	196
1042	9.1 A2	6 17.65	3.6361 631	55 55 41.9	19.221 160	- 30 14	- 30 12	270
1043	9.3	6 20.53	3.6870 698	58 10 7.4	19.220 162	- 14 19	- 38 16	197
1045	7.3 F5	6 24.03	3.6871 697	58 8 59.6	19.219 162	+ 44 15	- 61 13	198
1046	7.8 K5	6 28.91	3.6255 615	55 20 58.0	19.217 159	+ 81 14	- 4 12	271
1047	8.6 A0	6 30.92	+ 3.6758 + 681	57 37 50.5	+ 19.216 - 161	+ 25 ± 15	- 2 ± 13	224
1050	9.1 K0	6 46.50	3.7138 730	59 5 50.6	19.209 164	+ 38 13	- 17 11	- 199
1051	9.2 F5	6 49.83	3.6711 672	57 18 19.4	19.208 161	- 44 14	+ 2 12	226
1054	9.0 B5	6 51.60	3.6703 670	57 15 42.0	19.207 161	- 11 14	+ 6 12	227
1055	9.2 K2	6 51.99	3.7364 759	59 55 38.1	19.207 165	- 37 15	+ 20 13	210
1056	8.7 F0	6 54.77	+ 3.7215 + 739	59 20 45.8	+ 19.206 - 164	- 2 ± 16	0 ± 13	211
1057	9.2 A2	7 5.24	3.7369 758	59 51 59.2	19.201 165	- 56 13	- 3 11	215
1059	8.2 F0	7 7.55	3.7169 730	59 5 22.2	19.200 164	+ 46 14	- 22 12	- 201
1062	8.2 K0	7 37.65	3.7418 759	59 51 24.8	19.188 167	+ 52 13	+ 6 11	220
1063	9.1 K5	7 38.61	3.6815 677	57 26 52.5	19.187 164	- 35 14	- 4 12	231
1065*	8.3 B9	7 51.17	+ 3.7120 + 716	58 37 48.0	+ 19.182 - 166	+ 37 ± 15	- 4 ± 13	203
1066	8.8 A2	7 53.22	3.6618 650	56 29 46.0	19.181 164	+ 9 14	- 20 12	231
1068	8.0 K5	7 56.01	3.6746 666	57 2 41.3	19.180 164	0 14	+ 13 12	- 232
1072	9.0 B8	8 6.01	3.6785 670	57 9 0.6	19.175 165	- 3 14	- 6 12	233
1074	9.1 K0	8 27.46	3.7529 765	59 58 4.5	19.166 169	- 30 15	- 59 13	222
1076	9.0 F2	8 37.52	+ 3.6894 + 679	57 25 14.6	+ 19.162 - 166	+ 1 ± 15	- 22 ± 13	234
1078	8.5 K7	9 1.08	3.6701 651	56 26 40.0	19.152 166	+ 31 17	- 23 14	234
1081	9.1 K5	9 16.82	3.7141 705	58 11 45.7	19.145 169	+ 18 15	- 16 13	209
1082	8.9 A0	9 17.13	3.7511 754	59 36 50.6	19.145 171	- 34 15	- 4 13	223
1083*	7.6 K0	9 20.82	3.6594 634	55 50 37.6	19.143 167	- 8 12	+ 23 10	277
1084	9.2 A0	9 27.36	+ 3.6745 + 652	56 28 27.0	+ 19.140 - 168	- 12 ± 12	- 17 ± 10	236
1086	8.3 A	9 30.16	3.6740 651	56 26 17.1	19.139 168	- 7 12	+ 11 10	237
1087	9.1 B0	9 31.94	3.7172 707	58 13 39.1	19.138 170	- 24 15	- 17 13	210
1088	8.7 G5	9 36.55	3.6899 671	57 4 57.6	19.136 169	+ 9 12	- 22 10	- 238
1090	7.8 K5	9 37.46	3.6597 632	55 45 12.9	19.136 168	+ 28 12	- 8 10	278

1065 = BDS 12836: 8.6, 9.8, 0".3. 1083 = BDS 662: 7.6, 9.5, 4".5. Epoch, 1915.82

1h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1091	7.5 K2	9 39.19	+ 3.6492 + 619	55 15 28.3	+ 19.135 - 167	-.015 ± 14	-.039 ± 12	279
1092	7.0 B1	9 40.08	3.6878 668	56 58 17.8	19.135 169	+ 4 13	+ 11 11	240
1094	6.9 K0	10 1.22	3.6678 639	55 58 18.4	19.126 169	+ 45 17	- 18 14	281
1097	8.3 K0	10 24.30	3.6861 659	56 37 51.8	19.115 171	- 17 14	+ 7 12	242
1100	8.6 F8	10 25.32	3.6959 671	57 2 30.6	19.115 171	+ 35 14	- 28 12	- 243
1101	7.3 Mb	10 26.38	+ 3.6985 + 674	57 8 36.3	+ 19.114 - 171	+ 19 ± 14	- 12 ± 12	237
1103	9.1 K0	10 39.58	3.7222 703	58 1 44.9	19.109 173	- 36 15	+ 15 13	- 239
1104	9.0 B0	10 43.29	3.7149 693	57 42 56.4	19.107 173	+ 17 14	+ 15 12	240
1106	8.6 K2	10 53.55	3.7174 694	57 45 2.4	19.103 173	+ 44 14	+ 13 12	242
1107	9.1 A0	11 4.33	3.7754 768	59 52 30.6	19.098 176	- 8 17	- 30 15	228
1108	9.0 F8	11 6.97	+ 3.7034 + 675	57 6 32.1	+ 19.097 - 173	+ 52 ± 14	+ 9 ± 12	244
1113	8.6 A	11 25.61	3.7383 716	58 23 16.5	19.088 175	+ 19 15	- 10 13	217
1114	9.0 G5	11 30.45	3.6752 636	55 45 30.2	19.086 173	+ 25 14	0 11	287
1115	9.0 K5	11 30.90	3.7102 680	57 14 36.7	19.086 174	- 20 14	- 31 12	250
1116	7.7 A0	11 37.37	3.6960 661	56 36 56.0	19.083 174	- 15 14	- 11 12	245
1118	8.7 F8	11 40.60	+ 3.6981 + 663	56 41 14.8	+ 19.082 - 174	+ 115 ± 14	+ 16 ± 12	246
1119	8.2 Mb	11 41.41	3.6747 634	55 40 14.6	19.081 173	+ 25 13	0 10	290
1122	9.1 B2	11 53.50	3.7326 705	58 0 18.1	19.076 176	+ 20 14	- 2 12	- 255
1123	8.5 A0	11 56.58	3.6797 638	55 47 53.7	19.074 174	+ 5 14	- 32 12	291
1124	9.3 A2	11 57.85	3.6784 636	55 44 7.0	19.074 174	+ 8 14	- 37 12	292
1125	8.4 A3	11 59.46	+ 3.7755 + 759	59 34 20.9	+ 19.073 - 178	+ 91 ± 15	- 70 ± 13	232
1126	7.0 B5	12 1.10	3.7221 690	57 33 0.1	19.072 176	- 13 15	- 4 13	257
1127	8.6 M	12 2.60	3.7249 694	57 39 1.3	19.072 176	+ 13 15	+ 5 13	258
1129	9.0 B9	12 10.70	3.6847 642	55 56 7.4	19.068 174	- 6 14	- 12 12	293
1130*	5.8 F5p	12 13.97	3.7246 691	57 34 25.3	19.067 176	+ 32 15	- 7 13	260
1134	9.3 A2	12 40.52	+ 3.7144 + 675	57 0 41.9	+ 19.054 - 177	+ 40 ± 14	- 19 ± 12	- 248
1135	9.1 B8	12 41.33	3.6952 651	56 12 12.0	19.054 176	- 8 14	+ 6 12	249
1144	8.9 B8	13 8.26	3.6931 645	55 57 33.2	19.042 177	+ 25 14	- 13 12	298
1145	8.4 K0	13 22.70	3.6903 639	55 45 8.8	19.035 178	- 36 14	0 12	300
1146	9.1 K0	13 23.83	3.6967 647	56 1 6.8	19.034 178	- 43 14	- 18 12	- 301
1149	9.3 K0	13 39.74	+ 3.7550 + 717	58 15 31.5	+ 19.027 - 181	- 8 ± 13	- 14 ± 11	223
1150	9.3 A3	13 42.50	3.7718 738	58 51 45.5	19.026 182	- 42 15	- 32 13	224
1154	9.2 A3	13 53.49	3.7870 755	59 20 40.8	19.021 183	- 20 16	- 20 13	237
1156	9.1 B2	14 11.08	3.7587 717	58 13 27.0	19.013 183	+ 37 15	+ 7 13	225
1158	9.0 B8	14 17.20	3.6968 640	55 42 53.1	19.010 180	+ 27 14	- 30 12	303
1159	7.9 A2	14 17.89	+ 3.7442 + 697	57 38 1.4	+ 19.010 - 182	+ 22 ± 14	0 ± 12	269
1160	8.7 G0	14 21.41	3.6994 642	55 48 9.5	19.008 180	- 16 11	- 47 9	304
1161	9.0 A0	14 22.61	3.7439 696	57 35 53.1	19.007 182	- 25 14	+ 12 12	270
1165	8.8 B3	14 50.92	3.7070 647	55 57 15.2	18.994 181	+ 29 13	+ 14 10	307
1167	9.2 A0	15 1.94	3.7805 736	58 44 30.5	18.989 186	- 34 15	- 25 13	226
1170	9.0 A0	15 15.39	+ 3.7072 + 644	55 49 18.5	+ 18.983 - 183	- 37 ± 14	+ 10 ± 12	308
1174*	7.2 F5	15 25.81	3.7502 695	57 29 25.6	18.978 185	+ 104 14	- 85 12	274
1175	9.2	15 42.85	3.8283 791	60 9 43.4	18.970 189	+ 3 16	- 27 14	225
1178	9.1 B3	16 1.58	3.7992 750	59 4 50.7	18.961 188	+ 19 15	- 25 13	- 227
1179	9.1 F0	16 3.33	3.7572 698	57 32 44.1	18.960 187	- 46 14	- 14 12	276
1181	8.0 K0	16 21.95	+ 3.7801 + 723	58 17 34.4	+ 18.951 - 188	- 6 ± 15	- 15 ± 13	230
1182	9.0	16 22.46	3.7806 724	58 18 23.8	18.951 188	- 70 15	- 45 13	231
1183	8.5 F8	16 25.96	3.7755 717	58 6 31.0	18.950 188	+ 79 15	- 37 13	232
1184	8.6 G0	16 31.56	3.7521 688	57 12 1.5	18.947 187	+ 91 14	- 95 12	277
1186	7.0 K5	16 33.13	3.7356 668	56 32 40.9	18.946 187	- 32 14	- 24 12	264

1130 = PGC 298.

1174 = BDS 718: 7.9, 8.1, 1".

Epoch, 1915.82

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1187	8.8 K2	16 34.58	+ 3.7763 + 717	58 5 13.2	+ 18.945 - 189	-.009 ± 15	-.012 ± 13	- 278
1188	9.1 B9	16 37.20	3.7059 632	55 18 20.0	18.944 186	- 22 13	- 20 11	311
1191	8.8 A0	16 40.99	3.7390 671	56 38 9.8	18.942 187	- 22 14	+ 3 12	265
1193	9.0	16 43.70	3.7398 671	56 39 8.2	18.941 187	- 34 14	- 22 12	266
1195	8.7 K2	16 56.68	3.7143 639	55 32 51.6	18.935 186	+ 45 14	- 40 12	313
1196	8.5 B8	17 2.48	+ 3.8332 + 784	59 54 20.0	+ 18.932 - 193	+ 3 ± 15	+ 5 ± 13	247
1199	8.3 K2	17 12.10	3.7683 702	57 35 33.5	18.927 190	+ 3 15	+ 8 13	280
1201	8.5 K7	17 28.22	3.7546 683	56 59 3.1	18.919 189	- 42 14	- 7 12	269
1203	8.9 F2	17 43.15	3.7225 643	55 37 58.8	18.912 189	+ 58 14	- 24 11	319
1204	9.2 A0	17 51.85	3.7162 635	55 19 19.3	18.908 189	- 8 14	- 16 12	320
1206	9.1 F2	17 57.51	+ 3.8166 + 754	59 3 57.0	+ 18.905 - 194	- 35 ± 15	- 22 ± 13	- 236
1207	8.7 K2	18 1.68	3.7258 645	55 39 55.9	18.903 190	+ 22 13	- 8 11	321
1209	9.0 G0	18 8.90	3.7574 681	56 52 23.6	18.900 191	- 5 14	- 52 12	271
1210	8.9 K7	18 17.89	3.7973 727	58 17 30.5	18.895 193	+ 12 15	- 31 13	238
1211	9.0 K5	18 19.69	3.7265 643	55 35 29.5	18.894 190	- 24 14	- 22 12	322
1216	8.9 F5	18 46.71	+ 3.7692 + 690	57 7 12.2	+ 18.881 - 193	+ 64 ± 15	- 43 ± 13	283
1218	9.2 B5	18 55.78	3.7617 679	56 47 9.5	18.877 194	- 41 14	- 12 12	273
1219	9.0 A0	18 56.19	3.7350 648	55 44 18.8	18.876 192	+ 17 14	- 12 12	325
1220	9.2 A2	19 2.53	3.7613 678	56 44 8.9	18.873 194	+ 9 14	- 45 12	274
1221	9.0 A0	19 8.19	3.7476 661	56 10 38.4	18.871 193	+ 3 14	- 15 12	275
1222	8.2 B3	19 9.17	+ 3.7711 + 689	57 4 16.1	+ 18.870 - 194	+ 21 ± 13	+ 11 ± 11	- 276
1224	9.1 A0	19 12.54	3.7385 650	55 47 41.0	18.869 193	+ 52 14	- 31 12	329
1225	9.0 F5	19 13.20	3.7655 682	56 50 21.2	18.868 194	- 15 13	- 4 11	277
1226	8.3 B3	19 19.49	3.8464 778	59 38 2.9	18.865 198	+ 19 16	- 5 13	251
1227	9.3 B5	19 21.59	3.7330 643	55 31 20.8	18.864 193	- 12 14	- 27 12	330
1228	9.0 A0	19 21.78	+ 3.7677 + 683	56 52 29.7	+ 18.864 - 195	- 3 ± 13	- 1 ± 11	278
1230	9.1 G5	19 28.93	3.7244 632	55 7 54.2	18.860 193	- 12 14	- 14 12	331
1231	8.5 G5	19 31.22	3.7648 678	56 43 9.1	18.859 195	+ 12 14	- 7 12	279
1234*	9.2 B5	19 57.84	3.7955 711	57 42 22.0	18.846 197	- 45 15	- 46 13	288
1235	8.9 A2	20 6.18	3.7678 677	56 38 51.0	18.842 196	+ 29 12	- 26 10	280
1237	8.8 A0	20 21.03	+ 3.7485 + 653	55 49 23.1	+ 18.834 - 196	+ 24 ± 14	- 10 ± 12	332
1238	9.4 G0	20 21.13	3.7654 672	56 28 29.3	18.834 196	- 28 14	- 16 12	281
1239	9.1 A5	20 24.59	3.7547 660	56 2 56.7	18.833 196	+ 35 14	- 35 12	- 333
1240	9.4 A	20 24.95	3.7841 694	57 9 26.2	18.832 197	+ 33 15	+ 11 13	292
1241	9.4	20 26.63	3.7841 694	57 8 50.1	18.832 198	+ 60 15	- 17 13	293
1242	8.4 A0	20 27.13	+ 3.7849 + 694	57 10 22.1	+ 18.831 - 198	0 ± 14	- 4 ± 12	294
1243	9.1 K0	20 45.06	3.8554 776	59 29 47.2	18.822 202	+ 16 16	- 26 13	257
1244	8.6 A5	20 45.15	3.8020 712	57 41 43.7	18.822 199	- 6 13	- 11 11	296
1245	9.5 A3	20 50.69	3.7703 674	56 30 24.5	18.819 198	- 36 14	- 6 12	282
1246	9.0 K2	20 54.11	3.7473 648	55 36 0.7	18.818 197	- 16 14	- 17 12	335
1248	7.0 F5	21 7.35	+ 3.8555 + 773	59 23 14.1	+ 18.811 - 203	- 39 ± 16	- 21 ± 13	258
1250	9.1 G0	21 15.47	3.8488 763	59 8 5.0	18.807 203	+ 47 16	- 23 13	259
1251	9.1 F8	21 16.25	3.8040 710	57 36 25.0	18.806 200	- 41 14	+ 18 12	298
1252	9.1 B8	21 18.25	3.7460 643	55 25 18.4	18.805 198	0 16	- 17 12	336
1253	8.7 A0	21 20.00	3.7592 658	55 55 58.1	18.805 199	+ 15 14	- 28 12	337
1260	7.2 B5	21 41.72	+ 3.8676 + 782	59 36 12.8	+ 18.793 - 205	- 28 ± 16	+ 1 ± 14	260
1261	7.8 G5	21 50.34	3.8235 728	58 6 53.1	18.789 203	- 18 15	+ 1 13	249
1264	9.0 B9	22 5.98	3.8034 702	57 20 12.4	18.781 203	- 31 14	+ 8 12	302
1266	7.2 K5	22 10.04	3.8572 765	59 8 3.8	18.779 206	0 16	- 24 13	261
1268	8.5 M0	22 29.61	3.8486 752	58 45 36.5	18.769 206	+ 21 15	- 15 13	251

1234 = BDS 12848: 10.0, 10.0, 0".4.

Epochs: Stars 1187 to 1234, 1915.82; stars 1235 to 1268, 1915.85

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ' "	"		"		"		
1271	9.4	B8	22 33.95	+ 3.8747	+ 783	59 34 22.3	+ 18.767	- 207	-.047	± 16	+.002	± 14	263
1273	9.1	B8	22 39.25	3.8153	712	57 35 14.0	18.764	204	- 43	14	- 13	12	304
1275	9.3	B2	22 53.78	3.8624	765	59 5 26.3	18.757	208	- 3	15	- 3	13	- 252
1278	9.3	B3	23 18.98	3.8928	798	59 54 49.8	18.744	210	+ 12	16	- 23	14	264
1279	8.3	K0	23 20.96	3.8198	711	57 32 4.1	18.743	206	- 29	14	- 17	12	308
1281	9.2	A2	23 21.68	+ 3.8314	+ 725	57 55 49.0	+ 18.742	- 207	- 5	± 14	+ 21	± 12	309
1283	9.3	A7	23 23.63	3.7667	651	55 35 5.0	18.741	204	+ 33	14	- 4	12	344
1284	9.0	K2	23 24.01	3.8742	775	59 19 2.4	18.741	209	+ 18	16	- 6	14	267
1287	9.0	B2	23 34.27	3.8574	753	58 43 55.9	18.736	209	- 26	15	- 31	13	256
1289	9.5	A5	23 35.35	3.8349	727	57 58 56.2	18.735	208	- 19	17	- 12	15	310
1290	9.3	G5	23 38.69	+ 3.8357	+ 727	57 59 42.1	+ 18.733	- 208	+ 37	± 13	- 26	± 11	311
1294	9.0	A0	23 53.95	3.8630	757	58 49 8.7	18.725	210	- 8	15	0	13	257
1295	9.5		24 1.66	3.7977	681	56 32 57.7	18.721	207	- 30	14	- 11	12	289
1297	9.3	F8	24 6.31	3.7916	673	56 18 12.5	18.719	207	- 51	14	+ 11	12	290
1298	7.9	A5	24 8.95	3.8557	746	58 30 27.5	18.718	210	- 22	16	- 17	13	258
1304	8.6	A0	24 21.10	+ 3.8221	+ 706	57 19 13.5	+ 18.711	- 209	+ 5	± 15	- 13	± 13	315
1307	9.1	G5	24 23.95	3.7895	669	56 8 11.6	18.710	207	- 31	14	- 14	12	291
1308	9.0	K2	24 24.68	3.7706	648	55 25 14.9	18.709	206	- 8	12	- 13	10	347
1310	8.9	A2	24 27.84	3.8319	716	57 37 23.0	18.708	209	- 14	15	- 44	13	316
1311	9.3	A2	24 29.41	3.7704	647	55 23 34.3	18.707	206	+ 1	12	- 5	10	348
1312	9.1	A2	24 34.66	+ 3.8355	+ 719	57 42 46.8	+ 18.704	- 210	+ 3	± 15	- 14	± 13	317
1314	9.2	F5	24 43.78	3.8338	716	57 36 41.5	18.699	210	+ 15	15	- 19	13	318
1315	9.3	K5	24 48.15	3.8040	682	56 32 52.0	18.697	209	+ 5	14	- 20	12	292
1316	8.3	F2	24 [illegible]9.15	3.8451	728	57 57 57.9	18.697	211	+ 53	15	- 2	13	319
1318	7.4	A0	24 54.61	3.9041	797	59 48 19.9	18.694	214	+ 3	16	+ 34	14	269
1319*	7.4	B3	24 58.65	+ 3.9128	+ 807	60 2 32.4	+ 18.691	- 215	- 30	± 16	+ 20	± 14	- 271
1320	9.4	A0	24 59.13	3.8869	776	59 15 34.6	18.691	213	+ 37	16	- 25	14	270
1323	8.9		25 12.82	3.9131	805	59 59 10.1	18.684	216	- 31	16	+ 14	14	274
1325	8.3		25 13.71	3.9138	805	60 0 9.2	18.683	216	- 3	16	+ 1	14	- 273
1326	8.8	K0	25 19.51	3.8171	692	56 51 28.4	18.680	211	- 40	14	0	12	294
1327	5.8	*	25 19.94	+ 3.8411	+ 720	57 41 1.3	+ 18.680	- 212	+ 3	± 14	+ 7	± 12	320
1328	9.3	F5	25 21.96	3.9076	797	59 46 55.5	18.679	216	+ 54	16	+ 6	14	275
1330	9.2	K7	25 24.26	3.8403	718	57 38 2.5	18.678	212	- 12	14	+ 12	12	322
1331	7.5	K0	25 24.84	3.7720	642	55 10 26.1	18.678	208	+ 3	13	+ 4	10	354
1332	8.3	F0	25 29.47	3.9154	805	59 58 46.2	18.675	216	+ 39	16	+ 12	14	276
1334	9.0	K5	25 42.56	+ 3.7703	+ 638	55 1 8.3	+ 18.668	- 209	+ 11	± 14	- 15	± 12	- 317
1335	9.1	B8	25 43.11	3.8506	727	57 53 26.3	18.668	213	+ 28	15	- 11	13	323
1336	8.0	F8	25 44.42	3.8012	672	56 10 5.0	18.667	211	+ 42	14	- 58	12	295
1337*	6.2	K0	25 46.44	3.8727	752	58 35 21.6	18.666	214	- 53	15	- 28	13	260
1338	8.6	B8	25 46.96	3.8496	726	57 50 20.4	18.666	213	- 16	14	+ 11	12	324
1340	9.2	A5	25 55.88	+ 3.8300	+ 702	57 7 59.3	+ 18.661	- 213	+ 20	± 14	- 36	± 12	325
1344	8.9	B9	26 28.35	3.8466	717	57 32 33.7	18.644	215	+ 58	15	- 6	13	328
1345	8.9	A5	26 37.70	3.9178	798	59 44 5.2	18.639	219	- 8	15	- 16	13	279
1346	9.2	B2	26 37.81	3.9293	811	60 4 18.8	18.638	219	- 8	16	+ 11	14	- 280
1347	8.8	M2	26 40.70	3.8866	761	58 46 29.7	18.637	218	+ 16	15	- 11	13	263
1348	8.7	F8	26 42.38	+ 3.9323	+ 814	60 8 15.5	+ 18.636	- 220	+ 91	± 16	- 14	± 14	269
1349	9.0		26 43.88	3.9320	813	60 7 11.3	18.635	220	- 8	16	- 8	14	270
1350	9.0		26 48.16	3.9333	814	60 8 24.1	18.633	220	+ 69	16	- 33	14	271
1352	9.1	A0	26 53.84	3.8820	754	58 34 6.7	18.630	218	- 28	15	- 20	13	264
1358	9.0	K0	27 16.84	3.7966	655	55 32 53.2	18.617	214	+ 2	12	+ 12	10	357

1319 = BDS 792: 7.5, 10.7, 14", separated on plates
1337 = PGC 338

1327. Spectrum composite: K0, A0

Epoch, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
1359	9.3	27 22.72	+3.7929 +651	55 23 6.8	+18.615 -214	+.070 ± 14	-.010 ± 12	358
1360	6.9 B9	27 26.73	3.7940 651	55 24 9.0	18.612 214	- 15 14	- 6 12	360
1361	9.1 B3	27 27.44	3.8659 731	57 53 50.1	18.612 218	- 18 14	- 34 12	331
1363	8.7 B8	27 35.54	3.8865 753	58 31 3.8	18.607 220	- 12 15	- 4 13	265
1364	8.4 B9	27 41.94	3.8664 729	57 50 51.5	18.604 219	+ 1 14	- 15 12	333
1367	9.4 B5	27 47.58	+3.9120 +780	59 14 48.0	+18.601 -221	+ 24 ± 16	- 8 ± 14	284
1368	7.8 K2	27 48.34	3.9231 793	59 34 19.7	18.600 222	+ 20 15	+ 8 13	285
1371	9.0 B5	27 53.64	3.8592 720	57 33 20.0	18.598 219	+ 8 15	- 5 13	335
1373	7.5 F5	28 2.73	3.9002 765	58 49 9.6	18.593 221	+ 65 16	- 48 13	266
1378	8.9 A0	28 5.90	3.9450 816	60 7 30.4	18.591 223	- 11 16	- 39 14	280
1379	8.4 F5	28 6.39	+3.8398 +696	56 50 49.0	+18.591 -218	+ 28 ± 14	+ 14 ± 12	300
1383	8.6 F5	28 20.37	3.8467 702	57 0 51.3	18.583 219	+ 55 14	- 7 12	-301
1387	7.2 A5	28 33.21	3.9103 772	58 59 12.2	18.576 223	+ 38 15	- 13 13	268
1388	9.1 B0	28 34.64	3.9211 784	59 18 10.6	18.575 223	+ 37 16	+ 11 14	286
1390	8.5 B8	28 45.65	3.8738 729	57 47 25.7	18.569 221	- 18 17	- 19 15	340
1391	8.5 K7	28 47.08	+3.8324 +683	56 23 50.5	+18.568 -219	- 24 ± 14	- 9 ± 12	302
1392	9.2 B8	28 47.67	3.9099 770	58 54 38.4	18.568 223	+ 19 14	+ 9 12	269
1393	8.7 A	28 56.76	3.8041 652	55 20 28.5	18.563 218	- 13 14	- 12 12	368
1394	8.2 K0	28 56.66	3.9505 815	60 3 14.2	18.563 226	- 50 16	- 33 14	-287
1397	7.3 B8	29 11.64	3.8840 737	57 59 54.4	18.555 223	+ 5 14	+ 4 12	343
1398	8.8 K7	29 14.73	+3.8845 +737	58 0 0.3	+18.553 -223	+ 14 ± 14	- 7 ± 12	-344
1399	8.4 B9	29 16.97	3.9253 783	59 14 22.8	18.552 225	0 16	+ 18 14	290
1404	9.1 A0	29 26.61	3.8798 730	57 47 46.3	18.546 223	+ 3 13	- 17 11	345
1405	8.8 B9	29 31.34	3.8641 712	57 15 57.9	18.544 222	- 5 15	- 7 13	346
1407	8.0 A2	29 42.20	3.9098 762	58 39 38.4	18.538 225	+ 46 15	- 37 13	270
1409	9.1 M0	29 47.00	+3.8743 +721	57 31 43.1	+18.535 -224	+ 60 ± 15	- 30 ± 13	347
1410	8.9 K0	29 48.66	3.8210 664	55 42 23.9	18.534 221	- 42 14	- 4 12	369
1412*	6.1 K0	29 58.24	3.8701 716	57 20 22.4	18.529 224	+ 21 15	- 18 13	349
1413	9.4 B8	29 58.19	3.9524 808	59 50 20.7	18.529 229	+ 4 16	- 30 14	295
1414	8.7 B3	30 5.42	3.9566 812	59 55 30.0	18.525 229	0 16	- 29 14	296
1417	8.8 A7	30 8.27	+3.8941 +741	58 3 36.2	+18.523 -225	- 41 ± 15	+ 14 ± 13	-350
1420	9.1 A5	30 15.87	3.8956 741	58 4 20.3	18.519 226	+ 27 15	+ 9 13	-351
1421	9.3 K2	30 18.74	3.8208 660	55 33 40.3	18.517 222	- 39 14	- 8 12	370
1424	8.2 A3	30 37.04	3.8580 698	56 45 44.6	18.507 225	- 3 12	- 13 10	307
1425	9.1 A3	30 40.34	3.8433 681	56 14 49.8	18.505 224	+ 38 14	- 19 12	308
1430	8.5 B3	31 0.02	+3.9595 +807	59 46 17.5	+18.494 -232	+ 13 ± 14	- 19 ± 12	297
1432	8.5 F0	31 22.80	3.8572 691	56 31 25.1	18.481 226	- 14 12	- 2 10	310
1434	8.3 F5	31 33.22	3.9360 776	58 57 1.4	18.475 232	- 5 15	- 88 13	272
1435	7.4 B8	31 39.76	3.8198 650	55 8 52.9	18.471 224	- 40 14	+ 15 12	375
1440	8.8 B8	31 51.81	3.8856 718	57 19 31.9	18.465 230	- 20 15	- 1 13	362
1441	8.3 A0	31 52.94	+3.8174 +646	55 0 7.1	+18.464 -225	- 16 ± 14	+ 14 ± 12	-344
1442	9.0 F5	31 56.89	3.8343 663	55 35 12.3	18.462 226	+162 14	+ 23 12	376
1443	9.2 B8	31 57.91	3.8282 656	55 21 48.2	18.461 226	- 27 14	+ 12 12	377
1446	7.7 B9	32 14.44	3.9241 757	58 25 4.2	18.452 232	+ 4 15	- 7 13	273
1447	9.4 K7	32 23.92	3.8600 687	56 20 34.7	18.446 229	- 15 13	- 13 11	313
1453	9.1 B9	32 37.12	+3.8702 +696	56 37 23.0	+18.439 -230	- 16 ± 14	+ 12 ± 12	315
1454	8.4 K2	32 54.09	3.9075 734	57 44 19.8	18.429 233	+ 34 15	- 48 13	365
1456	8.2 K0	32 59.72	3.9074 733	57 42 39.3	18.426 233	+ 9 15	- 30 13	366
1459	8.5 B8	33 13.78	3.9650 794	59 21 3.5	18.418 237	- 45 15	- 8 13	302
1460	8.6 K2	33 20.41	3.9660 795	59 21 5.8	18.414 237	- 13 15	- 8 13	303

1412 = PGC 355

Epoch of observation, 1915.85

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ′ ″							
1461	9.1	B0	33 22.91	+ 3.9525	+ 779	58 57 24.8	+ 18.412	- 236	-.018	± 15	-.003	± 13	274
1462	9.1	A0	33 23.38	3.9138	737	57 48 19.3	18.412	234	- 9	15	- 13	13	368
1463	9.1	K7	33 26.81	3.9140	737	57 47 49.1	18.410	234	+ 21	15	- 19	13	369
1464	9.0	K5	33 28.41	3.8870	708	56 56 37.0	18.409	233	+ 21	13	+ 1	11	318
1471	9.1	A0	33 58.93	3.8461	661	55 26 28.6	18.392	231	+ 13	14	- 3	12	386
1472	6.9	B9	34 1.15	+ 3.9254	+ 744	57 59 41.3	+ 18.390	- 236	- 42	± 15	- 18	± 13	370
1474	9.5		34 1.62	3.9253	744	57 59 21.9	18.390	236	- 33	18	- 18	15	—
1476	8.6	A0	34 7.65	3.9151	733	57 39 10.2	18.386	235	+ 12	15	- 17	13	372
1477	8.2	B9	34 8.99	3.8805	696	56 33 8.5	18.386	233	+ 14	14	- 14	12	321
1478	9.4	B8	34 9.99	3.9570	778	58 53 7.5	18.385	238	- 13	15	- 23	13	279
1479*	6.9	K2	34 11.10	+ 3.9942	+ 819	59 54 55.4	+ 18.384	- 241	- 20	± 16	- 57	± 14	306
1486	8.9	F2	34 38.13	3.8996	712	57 2 18.6	18.369	236	+ 40	14	- 19	12	- 324
1489	6.7	F2	34 42.67	3.9145	728	57 29 2.9	18.366	237	+ 22	15	- 27	13	373
1490	8.2	A2	34 47.61	3.9438	758	58 20 37.9	18.363	239	+ 2	15	- 1	13	281
1491	9.1	B5	34 49.24	3.8887	700	56 38 28.2	18.362	235	- 43	14	- 3	12	325
1492*	5.9	B9	34 53.14	+ 4.0008	+ 820	59 55 10.9	+ 18.360	- 243	+ 13	± 16	- 30	± 14	307
1493	8.6	M0	34 54.24	3.8662	676	55 52 50.4	18.359	235	- 30	14	+ 8	12	388
1494	6.5	G5	34 58.37	3.9682	784	59 0 7.1	18.357	241	+ 94	15	- 62	13	- 282
1495	8.7	B8	34 57.61	3.9723	788	59 7 13.6	18.357	241	- 49	16	+ 43	14	308
1497	9.3	G0	35 0.77	3.8911	701	56 40 15.2	18.356	236	+ 59	14	+ 23	12	326
1499	9.2	G5	35 4.52	+ 3.9226	+ 733	57 38 12.9	+ 18.353	- 238	- 13	± 15	- 18	± 13	374
1500	9.1	K0	35 8.49	3.8600	668	55 36 28.8	18.351	234	- 13	14	- 32	12	389
1502	8.9	K0	35 10.54	3.9490	761	58 23 59.1	18.350	240	+ 7	15	+ 21	13	283
1504	9.4	A0	35 17.38	3.9008	709	56 54 14.5	18.345	238	- 50	14	+ 1	12	327
1507	7.3	A2	35 28.43	4.0020	817	59 48 20.7	18.339	244	- 9	16	+ 11	14	309
1510	8.3	F2	35 37.62	+ 3.8455	+ 650	54 58 50.1	+ 18.334	- 235					365
1511	8.7	K0	35 39.90	3.9266	733	57 36 29.0	18.332	240	- 16	± 13	+ 15	± 11	375
1512	7.1	A2	35 40.53	3.8535	658	55 14 48.3	18.332	236	- 10	14	- 20	12	391
1513	9.1	G5	35 40.67	3.9461	754	58 11 11.7	18.332	241	- 46	16	- 8	14	284
1515	8.4	F8	35 51.79	3.8831	686	56 11 16.6	18.325	238	- 43	14	+ 9	12	328
1516	9.4	A0	35 54.18	+ 3.8842	+ 687	56 12 57.6	+ 18.324	- 238	+ 24	± 17	- 24	± 15	329
1517	9.2	A0	35 56.56	3.8604	663	55 24 46.3	18.322	237	+ 7	14	+ 20	12	392
1521	8.7	M0	36 5.63	3.8760	677	55 53 36.0	18.317	238	- 14	14	- 5	12	394
1522	9.0	A0	36 13.23	3.9959	804	59 27 34.2	18.313	246	- 16	16	+ 14	14	311
1523	9.3	G5	36 17.29	3.9100	711	56 56 20.0	18.310	241	+ 43	17	- 63	12	332
1524	9.0	B5	36 20.29	+ 3.9223	+ 724	57 18 21.8	+ 18.308	- 241	- 36	± 15	+ 2	± 13	378
1525	9.4	B	36 21.12	3.9149	716	57 4 25.8	18.308	241	+ 2	15	- 8	13	- 333
1526	8.3	A2	36 23.80	3.9853	791	59 7 36.3	18.306	245	+ 34	16	+ 24	14	312
1527	9.0	A3	36 25.54	3.9201	721	57 13 2.2	18.305	241	+ 32	15	- 5	13	379
1529	9.3	F	36 32.64	3.8672	666	55 29 9.4	18.301	238	+ 62	14	+ 3	12	397
1531	6.3	A0	36 33.51	+ 3.8970	+ 696	56 27 33.2	+ 18.301	- 240	- 1	± 14	+ 3	± 12	334
1532	8.5	A0	36 35.18	3.8985	697	56 29 52.9	18.300	240	+ 3	14	- 10	12	336
1533	8.8	A0	36 39.45	3.9737	776	58 44 12.1	18.297	245	- 12	16	+ 10	13	290
1534	8.6	K0	36 40.12	3.9537	754	58 9 41.9	18.297	243	+ 66	16	- 8	14	291
1535	8.9	F8	36 45.09	3.8677	665	55 26 52.1	18.294	239	+ 74	14	- 33	12	398
1536*	9.0	G5	36 47.83	+ 3.8998	+ 697	56 29 14.7	+ 18.292	- 241	- 8	± 14	- 12	± 12	338
1537	8.7	G5	36 49.99	3.8693	666	55 28 37.7	18.291	240	- 38	14	- 9	12	399
1539	9.1	K2	36 55.84	4.0168	821	59 50 35.3	18.287	248	- 36	16	- 67	14	313
1541	8.6	K7	37 0.20	3.8937	689	56 14 20.5	18.285	241	+ 3	14	- 18	12	340
1542	8.6	K0	37 1.88	3.8870	682	56 0 51.4	18.284	241	+ 11	14	- 17	12	- 402

1479 = PGC 374. 1492 = PGC 380. 1536 = BDS 894: 9.6, 9.9, 0″.8. Epoch, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1551	8.2 A0	37 24.18	+ 3.9066 + 700	56 32 52.7	+ 18.270 - 243	+.013 ± 14	+.033 ± 12	342
1552	8.9 B8	37 26.12	3.9243 718	57 5 29.5	18.269 243	+ 13 15	+ 2 13	- 343
1553	9.2 A0	37 28.72	3.9101 703	56 38 26.1	18.268 243	+ 20 14	+ 14 12	344
1554	9.4	37 29.47	3.9239 717	57 3 58.5	18.267 244	+ 50 15	+ 6 13	- 345
1555	9.0 K0	37 31.13	3.9082 701	56 34 13.0	18.266 243	+ 25 12	+ 1 10	346
1557	8.8 K5	37 32.28	+ 3.8987 + 691	56 15 45.4	+ 18.265 - 242	0 ± 15	- 10 ± 13	347
1559	7.4 K0	37 33.49	3.9948 792	59 6 16.2	18.265 248	+ 16 16	+ 40 14	316
1562	9.4 A5	37 46.27	3.9364 728	57 22 32.7	18.257 245	+ 6 15	- 2 13	385
1565	8.5 K2	37 52.08	3.9791 772	58 35 33.4	18.253 248	+ 3 16	- 28 13	295
1566	9.0 G5	37 55.92	3.8851 674	55 43 15.7	18.251 242	+ 56 14	- 29 12	406
1570	8.5 G5	38 21.42	+ 3.9996 + 790	59 2 21.4	+ 18.236 - 250	0 ± 16	- 124 ± 13	- 296
1571	7.4 G0	38 24.29	3.9816 770	58 31 47.5	18.234 249	- 78 16	- 27 13	297
1572	7.9 B8	38 25.24	4.0380 831	60 2 32.6	18.233 253	- 3 16	- 8 14	- 318
1573	8.9 F8	38 28.04	3.9426 729	57 23 17.9	18.232 247	+ 62 15	- 46 13	389
1574	8.2 K7	38 30.27	4.0273 819	59 44 42.5	18.230 253	- 34 16	+ 20 14	319
1577	9.0 B5	38 44.83	+ 3.9352 + 720	57 5 41.5	+ 18.221 - 247	- 8 ± 12	+ 3 ± 10	- 350
1579	9.2 K0	38 51.34	3.9113 694	56 19 43.2	18.217 247	0 17	- 8 14	351
1580	8.8 F5	38 53.78	3.9643 749	57 55 8.8	18.216 250	+ 12 15	+ 10 13	390
1581	8.9 B3	38 54.99	3.9374 721	57 7 5.3	18.215 248	- 8 15	+ 11 13	391
1584	7.8 K0	38 58.83	3.9471 730	57 23 40.8	18.213 249	+ 27 13	- 5 11	392
1586	8.2 K0	39 18.10	+ 3.8755 + 656	55 3 14.9	+ 18.201 - 245	+ 59 ± 13	- 7 ± 11	- 377
1587	9.0 K2	39 21.23	3.9038 684	55 57 57.9	18.199 247	- 4 14	0 12	410
1590	8.0 K2	39 44.49	4.0113 792	59 1 33.4	18.185 254	- 38 15	- 24 13	- 300
1592	8.8 A0	39 55.58	3.9414 718	56 59 33.7	18.178 251	+ 8 15	- 26 13	353
1593	8.4 F0	39 57.00	4.0432 824	59 49 2.7	18.177 257	+ 59 16	- 3 14	324
1595	9.3 K2	40 3.42	+ 3.9238 + 699	56 25 5.1	+ 18.173 - 250	- 73 ± 14	- 5 ± 12	354
1597	9.1 M0	40 7.37	4.0123 790	58 57 45.8	18.171 255	- 5 15	- 14 13	302
1599	9.1 A7	40 9.34	3.9477 722	57 7 25.2	18.169 251	- 28 14	- 19 12	398
1600	8.0 B0	40 12.70	3.9724 747	57 49 57.8	18.167 253	0 14	+ 26 12	399
1601	8.2 K2	40 12.74	3.8941 668	55 26 15.0	18.167 249	- 44 14	- 36 12	415
1602	8.5 A0	40 16.69	+ 3.8837 + 658	55 4 51.1	+ 18.165 - 248	+ 8 ± 14	- 9 ± 12	- 379
1603	9.3 A	40 16.95	4.0465 825	59 49 16.1	18.165 258	+ 27 16	- 21 14	325
1605	8.6 K7	40 19.49	3.9972 772	58 30 14.9	18.163 255	- 38 15	+ 11 13	303
1606	9.0 K5	40 24.24	3.9444 717	56 57 53.6	18.160 252	- 6 11	+ 22 9	355
1607	9.2 A0	40 52.55	3.9182 688	56 2 36.8	18.143 251	- 36 14	0 12	- 416
1608	8.2 A0	40 56.50	+ 3.9895 + 760	58 8 38.7	+ 18.140 - 256	+ 31 ± 15	- 8 ± 13	305
1611	8.9 A0	41 4.37	4.0166 787	58 51 11.5	18.135 258	- 34 15	- 13 13	306
1612*	8.7 F8	41 14.58	3.9237 691	56 7 28.7	18.129 252	- 3 14	- 56 12	357
1613	9.1	41 16.17	3.9238 691	56 7 19.2	18.128 252	- 9 14	- 68 12	—
1615	9.1 K0	41 17.03	3.9200 687	56 0 4.0	18.127 252	- 59 17	+ 51 14	- 417
1617	8.2 K0	41 47.52	+ 4.0244 + 790	58 53 47.8	+ 18.109 - 260	+ 10 ± 15	- 16 ± 13	308
1618	8.8 K7	41 50.56	3.9887 752	57 54 18.2	18.106 258	- 25 14	- 8 12	403
1620	9.0 F8	41 56.26	3.9203 683	55 51 3.7	18.103 254	+ 11 14	+ 3 12	418
1621	9.0 G5	42 14.79	3.9580 718	56 55 25.7	18.091 257	- 3 14	- 19 12	359
1626	7.9 K5	42 26.70	3.9916 750	57 50 44.0	18.084 259	+ 33 14	+ 2 12	404
1627	8.9 G0	42 29.31	+ 3.9070 + 666	55 17 55.5	+ 18.083 - 254	+ 239 ± 14	- 93 ± 12	423
1628	7.6 K2	42 28.64	3.9339 692	56 8 35.9	18.083 256	+ 27 14	- 1 12	360
1629	9.3 B8	42 35.86	3.9076 666	55 17 18.4	18.078 254	+ 59 14	- 8 12	424
1631	8.8 B5	42 40.49	3.9424 700	56 21 19.0	18.075 257	+ 65 14	- 18 12	361
1632*	8.1 B9	42 44.64	4.0652 825	59 43 55.9	18.072 264	- 21 15	- 17 13	336

1612=BDS 12865:9.2,9.7,0".4. 1632=BDS 12866:8.7,9.0,0".4. Epoch, 1915.85

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1634	8.8 F0	43 10.89	+3.9140 + 668	55 20 59.7	+ 18.056 - 256	+.018 ± 14	-.024 ± 12	427
1637	8.8 K5	43 17.18	3.9686 721	56 59 17.4	18.052 260	- 17 14	- 10 12	367
1638	8.7 A0	43 23.47	4.0754 830	59 50 31.7	18.048 267	0 15	- 10 13	337
1641	8.7 B0	43 47.64	4.0018 751	57 48 53.7	18.032 263	- 11 15	- 22 13	409
1642	9.5 A	44 13.84	3.9565 703	56 24 31.8	18.016 261	- 2 14	- 25 12	371
1643	9.4 B	44 14.10	+4.0833 + 832	59 50 48.4	+ 18.016 - 269	- 25 ± 16	- 30 ± 13	338
1645	8.0 B9	44 19.51	3.9660 712	56 40 7.7	18.012 262	- 4 14	0 12	372
1647	9.0 K7	44 27.38	3.9669 712	56 39 53.6	18.007 263	- 17 14	+ 4 12	375
1648	8.7 A2	44 31.96	4.0325 777	58 29 0.0	18.004 267	+ 32 15	- 8 13	316
1650	8.9 A	44 52.79	4.0946 838	59 58 50.8	17.991 272	- 57 14	+ 16 12	342
1651	8.8 G0	44 55.83	+3.9920 + 733	57 16 42.0	+ 17.989 - 266	- 16 ± 15	- 60 ± 13	416
1654	8.5 K0	45 4.36	3.9698 710	56 36 21.7	17.983 264	- 2 16	0 14	378
1656	8.7 K5	45 10.08	3.9606 701	56 18 46.6	17.980 264	+ 4 15	- 13 13	379
1657	9.3 B8	45 11.29	3.9515 692	56 2 8.2	17.979 263	+ 16 14	+ 3 12	- 432
1659	7.6 Ma	45 23.99	4.0811 820	59 32 7.0	17.971 271	- 7 16	+ 22 14	344
1662	9.0 K7	45 26.77	+4.0483 + 786	58 41 30.7	+ 17.969 - 269	+ 10 ± 15	- 4 ± 13	318
1663	9.1 B9	45 26.61	3.9405 680	55 38 12.9	17.969 262	- 47 14	- 18 12	433
1664	8.6 A3	45 32.88	3.9844 722	56 55 13.1	17.965 266	- 1 14	- 7 12	382
1665	8.5 F5	45 34.64	3.9392 678	55 34 6.2	17.964 263	- 21 14	- 21 12	434
1666	9.0 F	45 37.44	4.0762 813	59 21 51.7	17.962 272	- 23 16	- 37 14	346
1667	8.9 A0	45 40.00	+4.0478 + 784	58 37 38.9	+ 17.960 - 270	- 33 ± 15	- 10 ± 13	319
1668	9.0 F2	45 45.04	4.0406 776	58 25 15.8	17.957 270	- 39 15	- 24 13	320
1671	8.2 A0	45 56.10	4.0755 810	59 16 36.0	17.950 273	- 43 16	+ 4 14	348
1673*	8.3 F5	46 3.42	4.0781 812	59 18 53.1	17.945 273	- 70 16	+ 17 14	350
1674	8.5 K0	46 5.10	4.0744 808	59 13 3.4	17.944 273	+ 17 16	- 30 14	351
1675	8.5 K7	46 6.71	+4.0864 + 820	59 30 41.1	+ 17.943 - 274	- 3 ± 14	- 3 ± 12	352
1676	8.6 K0	46 21.91	4.0412 772	58 17 59.1	17.933 272	+ 29 15	- 9 13	323
1678	9.1 F5	46 26.48	4.0767 807	59 11 50.3	17.930 274	- 17 16	+ 9 14	353
1680	9.2 B9	46 28.02	4.0451 775	58 22 42.3	17.929 272	- 47 16	- 36 13	324
1681	7.9 A0	46 30.28	4.0836 814	59 21 23.2	17.928 275	+ 10 16	- 40 14	354
1682*	8.6 G0	46 31.03	+4.0192 + 749	57 40 24.4	+ 17.927 - 270	+ 19 ± 15	- 7 ± 13	424
1683	8.2 A5	46 35.40	4.0660 795	58 53 31.5	17.924 274	- 21 15	- 41 13	325
1684	7.0 G5	46 36.03	3.9602 691	55 57 57.8	17.924 267	+ 2 14	- 2 12	437
1685	9.1 B	46 46.00	4.0070 735	57 16 53.9	17.917 270	0 15	- 2 13	425
1687	7.7 G0	46 52.80	3.9774 706	56 24 42.1	17.913 269	+ 38 14	- 64 12	385
1688	8.3 A0	46 53.91	+4.0729 + 800	59 0 3.0	+ 17.912 - 275	- 2 ± 16	+ 3 ± 14	- 330
1689	6.8 A0	46 54.53	3.9799 708	56 28 34.9	17.912 269	- 38 14	+ 27 12	386
1693	9.1 K5	47 8.21	4.0128 738	57 21 23.3	17.903 271	- 28 16	- 30 13	426
1694	7.3 B3	47 9.08	4.0616 787	58 39 29.1	17.902 274	+ 31 16	+ 24 13	331
1695	9.2 A2	47 14.46	4.0278 752	57 44 43.7	17.898 273	+ 2 15	+ 13 13	427
1699	8.1 K5	47 25.85	+3.9452 + 672	55 19 18.8	+ 17.891 - 268	+ 48 ± 14	- 9 ± 12	439
1700	8.5 A0	47 34.93	3.9429 668	55 12 47.0	17.885 268	- 23 14	- 12 15	440
1702	8.9 G0	47 39.36	4.0168 739	57 21 12.6	17.882 273	+ 22 15	- 53 13	428
1703	8.0 A3	47 53.59	3.9396 664	55 2 29.0	17.873 269	+ 8 14	- 18 12	- 417
1704	9.3 A0	47 54.40	3.9508 674	55 22 54.0	17.872 270	+ 7 14	- 2 12	444
1705	8.6 A5	47 55.47	+4.0653 + 785	58 35 2.5	+ 17.872 - 277	+ 19 ± 13	- 16 ± 11	334
1707	9.1 K7	48 7.80	4.0139 732	57 9 59.0	17.863 274	- 63 17	+ 9 15	430
1708	9.0 B3	48 10.11	3.9863 706	56 22 40.2	17.862 272	- 5 14	- 4 12	389
1710	9.4 G5	48 15.15	4.0472 764	58 2 20.1	17.858 276	- 8 15	0 13	- 432
1711	9.0 A3	48 18.25	3.9805 699	56 10 36.7	17.856 272	- 30 14	- 24 12	390

1673 = BDS 12868: 9.1, 9.1, 0".4. 1682 = BDS 12869: 8.8, 10.6, 0".7.

Epoch, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1712	8.7 A0	48 22.02	+4.1011 +817	59 23 2.9	+17.854 -280	-.008 ± 16	-.005 ± 14	360
1716	9.1	48 32.80	4.0926 808	59 8 6.5	17.847 280	+ 4 16	+ 9 14	362
1719	7.9 K5	48 59.28	4.1158 828	59 36 22.8	17.829 283	- 20 16	- 11 14	363
1723	8.5 A3	49 21.55	4.1263 836	59 46 44.7	17.814 284	+ 6 16	- 29 14	364
1726	8.7 A0	49 33.35	4.0322 740	57 21 7.2	17.806 278	+ 9 14	+ 14 12	434
1727	9.2	49 36.15	+4.0965 +803	59 0 19.0	+17.804 -283	- 5 ± 15	- 14 ± 13	-340
1728	7.1 A0	49 39.75	4.0973 804	59 0 52.9	17.802 283	+ 29 15	- 22 13	-341
1729	9.1 A	49 39.90	4.1212 828	59 35 34.1	17.802 285	- 3 16	+ 5 14	365
1730	8.3 A0	49 40.70	4.1147 821	59 26 3.4	17.801 284	+ 13 16	- 14 14	366
1734	9.0 A0	49 49.73	3.9967 705	56 18 13.9	17.795 276	+ 14 14	- 8 12	396
1735	7.9 A2	49 50.16	+4.0309 +737	57 15 21.9	+17.795 -279	+ 15 ± 14	+ 9 ± 12	435
1736	8.3 K7	49 52.20	4.0848 790	58 39 27.6	17.793 283	- 17 15	- 12 13	342
1737	9.1 A0	49 52.68	4.0328 739	57 17 50.8	17.793 280	- 53 16	+ 10 12	436
1738	8.3 F5	49 58.23	4.0410 746	57 30 3.6	17.790 280	+ 57 14	- 30 12	437
1741	8.9 A0	50 17.25	3.9713 678	55 27 38.4	17.777 276	- 3 14	+ 5 12	455
1742	8.9 A0	50 20.82	+4.0138 +718	56 40 16.9	+17.774 -279	- 31 ± 13	- 31 ± 11	397
1743	7.9 K5	50 22.66	4.0319 735	57 9 50.2	17.773 280	- 12 15	- 23 13	439
1747	8.6 A2	50 36.70	4.1406 840	59 51 5.0	17.764 288	+ 9 16	- 9 14	371
1748	9.2 B	50 40.92	3.9767 681	55 31 54.2	17.761 277	+ 19 14	- 2 12	458
1750	7.0 K5	50 57.43	4.1244 821	59 23 52.7	17.749 288	- 39 16	- 7 14	373
1751	9.3 B3	50 57.94	+3.9695 +672	55 15 21.9	+17.749 -278	+ 23 ± 14	- 21 ± 12	462
1753	7.9 A0	51 11.52	3.9685 670	55 10 33.0	17.740 278	+ 27 12	- 18 10	464
1754	9.1 K0	51 12.18	4.0198 718	56 39 6.7	17.739 281	- 20 14	- 15 12	400
1755	7.0 G5	51 13.03	3.9664 668	55 6 18.7	17.739 277	- 2 14	- 44 12	466
1756	9.1 B2	51 12.99	4.0734 769	58 4 50.9	17.739 285	- 6 14	- 9 12	-441
1757	7.9 K5	51 13.34	+4.0920 +787	58 33 5.2	+17.739 -286	+ 36 ± 15	- 3 ± 13	345
1759	8.8 K5	51 16.97	4.1095 804	58 58 22.7	17.736 288	+ 49 15	- 21 13	346
1760	9.3 B8	51 17.51	4.1154 810	59 6 46.0	17.736 288	+ 55 16	+ 38 14	374
1761	9.0 A2	51 30.57	3.9795 678	55 25 56.8	17.727 279	- 25 14	- 2 12	468
1762	8.0 F5	51 33.42	4.1255 818	59 17 58.0	17.725 289	+ 17 16	- 53 13	375
1763	8.5 F5	51 37.79	+4.0778 +770	58 6 32.8	+17.722 -286	+ 88 ± 15	- 3 ± 13	347
1766	9.0 G5	51 52.42	4.1179 808	59 2 48.4	17.711 289	- 148 15	- 124 13	-350
1769*	8.0 F0	52 4.61	4.0742 764	57 55 8.5	17.704 287	+ 58 14	- 39 12	447
1770	6.5 A0	52 5.15	4.1322 820	59 21 6.8	17.704 290	+ 95 16	- 33 14	376
1771	8.6 B8	52 8.44	4.1525 840	59 48 49.7	17.701 291	- 15 16	+ 8 14	378
1772	9.0 A	52 9.94	+4.0742 +763	57 54 6.4	+17.700 -287	+ 23 ± 14	- 17 ± 12	448
1773	8.4 K7	52 25.30	4.1116 798	58 47 2.9	17.689 290	- 11 15	- 34 13	352
1774	8.9 F0	52 27.25	4.0478 736	57 8 48.1	17.688 286	- 8 15	- 31 13	450
1775	9.4	52 28.49	4.0653 752	57 36 18.0	17.688 287	+ 52 15	+ 42 13	—
1776*	7.8 F0	52 33.97	4.1603 845	59 54 17.6	17.683 293	- 35 15	+ 1 13	380
1777	8.5 B8	52 36.49	+4.0660 +752	57 35 45.7	+17.682 -288	+ 15 ± 14	- 11 ± 12	451
1779	8.6 K2	52 44.10	4.0485 735	57 6 17.1	17.677 286	- 4 15	- 25 13	453
1780	8.1 A0	52 49.03	4.1321 815	59 11 46.7	17.673 292	- 16 16	- 27 14	381
1781	7.3 A2	52 49.79	4.1393 822	59 21 56.5	17.673 292	+ 10 16	- 8 14	382
1784	9.0 A3	52 58.50	4.0666 750	57 31 59.2	17.667 289	+ 4 14	- 16 12	455
1786	8.6 K7	52 59.59	+4.0779 +761	57 49 11.0	+17.666 -289	- 29 ± 14	- 8 ± 12	456
1787	8.9 G5	53 0.55	4.0786 761	57 50 8.0	17.665 290	- 2 14	+ 13 12	457
1790	9.2 K5	53 10.34	4.0413 725	56 49 7.4	17.659 287	+ 32 14	+ 39 12	406
1792	8.1 B9	53 20.44	4.1576 836	59 41 20.1	17.652 295	+ 26 16	+ 6 13	385
1795	8.0 B3	53 53.14	4.1364 811	59 4 57.7	17.629 295	+ 3 15	0 13	-356

1769 = BDS 1037: 8.0, 9.3, 4".5. 1776 = BDS 1042: 7.9, 10.3, 3". Epoch, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		1h m s	s	° ' "	"	"	"	
1796	8.9 F8	53 55.49	+4.1612 + 835	59 39 7.5	+ 17.627 - 297	-.007 ± 16	-.004 ± 13	389
1797	8.5 B9	54 6.92	3.9848 668	55 1 7.5	17.619 285	+ 28 14	- 4 12	- 441
1798	9.2 B	54 8.87	4.0753 750	57 30 43.6	17.618 291	- 9 14	- 7 12	459
1799	9.2 K7	54 10.89	4.1621 834	59 37 18.9	17.616 298	- 10 16	+ 8 13	392
1800	8.7 A2	54 14.44	4.0723 747	57 24 56.8	17.614 291	+ 60 14	- 26 12	461
1801	8.6 B9	54 15.26	+4.0456 + 722	56 42 19.3	+ 17.614 - 290	+ 47 ± 14	- 15 ± 12	409
1802	9.0 K5	54 18.97	4.0682 743	57 17 41.0	17.611 291	+ 4 14	- 14 12	462
1803	7.8 A0	54 22.16	4.1849 855	60 5 59.8	17.609 299	+ 59 16	- 2 14	423
1804	9.1 A2	54 26.56	4.0603 734	57 3 37.0	17.606 291	+ 15 14	- 9 12	- 410
1806	8.8 K2	54 35.34	4.0672 740	57 12 40.5	17.599 292	+ 16 15	- 21 13	465
1807	8.4 G5	54 38.51	+4.0834 + 755	57 37 8.3	+ 17.597 - 293	+ 14 ± 15	- 17 ± 13	466
1808	8.7 A2	54 46.48	4.1087 778	58 13 42.0	17.592 295	- 18 15	- 12 13	359
1809	8.5 F2	54 54.99	4.1484 815	59 9 25.7	17.586 298	+ 26 15	- 71 15	394
1810	9.1 F8	54 56.92	4.0721 742	57 15 50.6	17.584 293	+ 33 15	- 13 13	468
1811	9.3 K2	55 8.47	4.0656 735	57 3 12.9	17.576 292	- 42 14	+ 6 12	- 412
1812	9.8	55 12.66	+4.0745 + 743	57 16 24.5	+ 17.573 - 293	+ 53 ± 15	- 15 ± 13	—
1813	9.0 A0	55 14.28	4.1428 807	58 57 35.4	17.572 299	- 3 15	- 9 13	360
1815	8.6 K0	55 23.86	3.9992 673	55 9 53.6	17.565 288	+ 5 14	- 37 12	484
1816	9.1 B2	55 28.57	4.1005 765	57 52 51.0	17.562 296	- 10 15	0 13	469
1817	8.0 F5	55 28.73	4.1744 836	59 38 34.7	17.562 301	- 9 16	- 52 14	397
1818	9.0 B0	55 31.21	+4.0102 + 682	55 27 24.4	+ 17.560 - 290	- 3 ± 14	+ 1 ± 12	485
1819	8.9 F5	55 39.14	4.1957 856	60 5 8.2	17.555 303	+ 36 16	- 25 14	- 398
1821	8.8 K5	55 40.58	3.9941 667	54 57 29.4	17.554 289	+ 36 14	- 16 12	450
1823	8.1 K0	55 45.24	4.0843 748	57 24 46.2	17.550 295	+ 18 15	- 58 13	471
1825	8.6 K0	55 53.69	4.1866 845	59 50 10.0	17.544 303	- 19 16	- 36 14	399
1826*	7.8 G0	55 58.30	+4.1904 + 848	59 54 17.2	+ 17.541 - 304	+ 2 ± 16	- 58 ± 14	400
1827	9.3 B	56 4.29	4.0318 698	55 56 52.1	17.537 293	+ 7 14	+ 12 12	486
1828	8.7 A0	56 9.62	4.0522 716	56 29 9.5	17.533 294	+ 29 12	- 10 10	416
1830	7.2 F8	56 17.19	4.1861 842	59 44 51.3	17.528 304	- 28 16	- 129 14	401
1832	9.0 B	56 20.14	4.0235 689	55 39 36.4	17.525 293	- 49 14	+ 3 12	489
1834	9.3 A0	56 21.11	+4.0418 + 705	56 9 46.3	+ 17.525 - 294	- 1 ± 14	+ 3 ± 12	418
1835	9.0	56 21.19	4.0835 743	57 16 6.3	17.525 297	- 29 15	- 28 13	474
1836	9.2 A0	56 23.51	4.0797 740	57 9 52.3	17.523 296	+ 13 15	- 27 13	475
1837	9.0 A0	56 25.18	4.1043 762	57 47 7.8	17.522 299	- 20 15	- 6 13	476
1840	6.3 F0	56 37.75	4.0032 669	55 1 17.8	17.513 292	+ 40 14	- 53 12	- 453
1841	8.8 A0	56 43.30	+4.0379 + 699	55 58 39.2	+ 17.509 - 294	- 52 ± 12	- 4 ± 10	492
1845	9.4 G0	56 55.76	4.0527 711	56 20 21.2	17.500 296	- 23 14	+ 13 12	421
1847	9.2 A	57 0.17	4.0845 740	57 9 45.5	17.497 298	+ 25 17	- 20 15	477
1848	8.5 K0	57 8.03	4.1904 839	59 40 42.1	17.491 306	- 3 16	- 12 14	403
1851	8.9 F0	57 34.13	4.0640 718	56 30 37.1	17.473 298	+ 4 14	- 13 12	423
1853	8.0 B8	57 41.76	+4.0724 + 724	56 42 26.8	+ 17.467 - 299	+ 8 ± 14	- 5 ± 12	424
1856	8.7 B8	57 55.68	4.0643 716	56 26 48.9	17.457 299	+ 18 11	+ 12 10	425
1858	9.2 B2	58 8.29	4.0425 695	55 48 52.3	17.448 298	- 5 14	+ 13 12	499
1859	8.6 G5	58 9.21	4.1083 754	57 32 14.2	17.448 303	- 27 15	+ 71 13	479
1860	9.0 A0	58 12.57	4.1929 834	59 31 34.9	17.445 309	- 8 16	+ 24 14	408
1862	9.5 A7	58 14.91	+4.1018 + 748	57 21 10.1	+ 17.444 - 302	+ 7 ± 15	- 7 ± 13	480
1864	9.1 G5	58 18.80	4.0947 741	57 9 34.4	17.441 302	- 3 15	+ 16 13	482
1865	9.2	58 21.69	4.1972 837	59 35 41.0	17.439 310	+ 7 14	+ 8 12	409
1866	9.1 B5	58 22.98	4.1257 769	57 55 16.1	17.438 305	- 5 15	+ 13 13	483
1867	9.0 G5	58 24.83	4.2005 839	59 39 21.2	17.436 310	- 21 16	0 14	411

1826 = BDS 12876: 7.9, 10.0, 0".4.

Epoch of observation, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
1868	8.2 K7	58 28.77	+4.1375 +779	58 11 21.6	+17.434 -306	-.019 ± 15	-.004 ± 13	373
1869	8.7 K5	58 33.51	4.0447 694	55 47 19.0	17.430 299	- 14 14	+ 18 12	501
1870	9.0 K0	58 33.74	4.0390 689	55 37 49.6	17.430 299	+ 12 14	- 55 12	502
1871	9.0 A0	58 44.54	4.0334 683	55 26 17.2	17.422 299	- 7 14	- 31 12	503
1872	8.5 G5	58 46.52	4.1407 780	58 12 22.8	17.421 306	- 3 15	- 94 13	375
1875	8.0 K0	58 54.85	+4.0400 +688	55 35 5.2	+17.415 -300	- 63 ± 14	+ 5 ± 12	505
1876	9.3 G5	58 58.33	4.1775 813	59 1 56.0	17.412 310	+ 42 16	- 50 13	-376
1877	8.4 F2	59 3.18	4.1372 775	58 4 7.6	17.409 307	- 13 15	0 13	-487
1880	9.0 G0	59 6.47	4.1285 766	57 50 46.0	17.406 306	- 42 15	- 37 13	489
1881	8.8 A5	59 9.03	4.0656 709	56 13 58.9	17.405 302	+ 44 14	- 17 12	427
1882	9.2 A0	59 9.84	+4.1732 +808	58 53 44.5	+17.404 -310	+ 22 ± 16	- 34 ± 13	377
1883	8.2 K0	59 11.62	4.1220 760	57 40 7.5	17.403 306	- 5 13	- 28 11	490
1884	9.1 B3	59 15.38	4.1003 740	57 6 55.2	17.400 305	- 24 18	- 3 15	492
1885	8.3 K0	59 15.73	4.0739 716	56 25 48.7	17.400 303	+ 33 14	+ 4 12	428
1886	8.6 B2	59 18.22	4.0772 719	56 30 30.5	17.398 304	- 20 15	- 15 13	429
1889	9.0 A0	59 38.22	+4.1820 +813	59 0 24.5	+17.383 -312	- 8 ± 16	- 22 ± 13	-378
1890	8.3 B8	59 45.92	4.1514 783	58 16 8.7	17.378 310	+ 11 16	+ 5 14	379
1891	9.1	59 46.86	4.0560 697	55 50 51.6	17.377 303	+ 19 14	+ 3 12	513
1892	9.2 A0	59 48.35	4.0549 696	55 48 48.2	17.376 303	+ 32 17	0 14	514
1894	8.7 A5	59 55.93	4.0582 698	55 52 37.9	17.371 304	+ 53 14	- 8 12	515
1895*	6.0 A2p	59 57.82	+4.1346 +766	57 49 39.0	+17.369 -309	- 28 ± 14	+ 5 ± 12	494
1896	9.2 A0	0 5.29	4.1401 770	57 56 11.9	17.363 310	- 33 14	+ 15 12	495
1897	7.8 A2	0 6.07	4.2125 838	59 35 55.7	17.363 315	- 41 16	0 14	415
1898	8.6 B3	0 21.98	4.1179 748	57 20 12.2	17.351 309	- 22 15	- 14 13	498
1899	8.1 B9	0 26.09	4.0832 717	56 26 26.2	17.348 306	+ 12 14	+ 6 12	431
1902	8.3 A3	0 44.07	+4.1226 +750	57 22 59.4	+17.335 -310	+ 8 ± 12	- 9 ± 10	499
1903	8.9 B8	0 44.55	4.1560 781	58 11 20.2	17.335 312	- 37 16	- 2 13	383
1905	8.5 B3	0 47.48	4.1926 814	59 1 32.7	17.333 315	- 12 16	- 7 13	-384
1906	8.3 A3	0 48.91	4.1226 750	57 21 58.6	17.332 310	+ 33 12	- 17 10	501
1907	8.3 B0	0 49.62	4.0846 716	56 23 49.1	17.331 307	- 28 12	+ 22 11	432
1908	8.4 F0	0 53.57	+4.1289 +755	57 30 24.1	+17.328 -310	- 3 ± 14	+ 6 ± 12	502
1909	9.4 B5	0 56.62	4.1713 793	58 30 34.1	17.326 314	- 21 16	- 26 13	385
1911	9.1 A0	1 0.43	4.0700 702	55 58 38.6	17.323 307	+ 28 14	+ 12 12	526
1912	8.9 A0	1 0.63	4.0752 706	56 6 57.9	17.323 307	+ 10 14	+ 18 12	433
1913	9.0 A0	1 5.88	4.1283 753	57 27 6.5	17.319 311	- 22 14	+ 12 12	503
1914	9.1 K0	1 6.88	+4.0443 +679	55 15 32.9	+17.319 -305	+ 9 ± 14	- 21 ± 12	527
1915	8.4 A0	1 17.16	4.1761 796	58 33 22.6	17.311 315	+ 15 16	- 7 13	388
1917	8.3 K7	1 19.47	4.1673 787	58 20 38.2	17.309 314	+ 31 15	- 9 13	389
1918	9.5 F	1 20.74	4.1517 773	57 58 23.4	17.308 313	+ 30 14	- 3 12	504
1919	9.0 A0	1 21.21	4.0512 683	55 24 7.8	17.308 306	+ 7 14	- 14 12	528
1922	9.2	1 24.27	+4.2219 +837	59 33 41.6	+17.306 -318	+ 9 ± 16	+ 10 ± 14	420
1923	6.6 F0	1 31.68	4.2150 830	59 23 16.0	17.300 318	+ 35 17	- 25 14	422
1925	7.6 K5	1 41.04	4.0746 702	55 57 56.1	17.293 308	+ 12 12	+ 14 10	529
1926	9.0 K0	1 45.38	4.2215 835	59 29 9.8	17.290 319	- 43 16	+ 8 14	424
1927	7.6 K0	1 49.96	4.0659 693	55 42 17.3	17.287 308	+ 35 14	- 30 12	530
1930	9.0 K0	2 3.23	+4.1524 +768	57 51 10.4	+17.277 -315	+ 13 ± 14	+ 1 ± 12	506
1931	8.9 F2	2 10.96	4.0726 697	55 48 55.2	17.271 309	+ 59 14	- 42 12	531
1933	8.1 K0	2 17.28	4.2215 831	59 23 20.6	17.267 320	+ 26 14	+ 17 12	429
1934	9.0 A0	2 18.32	4.1885 800	58 38 58.1	17.266 318	+ 51 15	+ 7 13	391
1937	8.6 G5	2 44.74	4.2598 864	60 7 14.6	17.246 325	- 11 16	- 10 14	447

1895 = PGC 478. Epochs: Stars 1868 to 1895, 1915.85; stars 1896 to 1937, 1916.30.

2^h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ′ ″	″		″		″		
1938*	6.5	B3p	2 47.83	+4.1254	+739	57 3 14.3	+17.244	-315	+.005	±14	+.031	±12	-438
1941	7.4	K	2 55.59	4.0677	688	55 32 15.6	17.238	311	+ 25	14	- 18	12	535
1942	7.9	B0	2 55.76	4.0688	689	55 34 2.4	17.238	311	- 5	14	+ 10	12	534
1944	8.9	B9	3 12.96	4.0801	697	55 48 38.4	17.225	312	- 6	14	+ 9	12	536
1946	8.5	K2	3 25.32	4.1888	792	58 26 47.0	17.216	321	- 1	15	- 5	13	392
1947	8.6	A0	3 26.80	+4.1172	+728	56 43 20.6	+17.215	-315	+ 10	±14	+ 15	±12	443
1949	9.0	K5	3 29.47	4.1022	715	56 19 54.6	17.213	314	- 10	14	- 3	12	444
1950	8.8	B9	3 35.40	4.1437	751	57 21 2.3	17.208	318	- 50	14	+ 26	12	512
1952	8.9	A0	3 48.80	4.1195	728	56 42 40.7	17.198	316	+ 12	12	+ 19	10	445
1953	9.2	K	3 57.07	4.2092	808	58 48 32.5	17.192	323	- 25	15	+ 33	13	394
1955	8.8	A0	4 0.72	+4.2111	+809	58 50 20.1	+17.189	-324	- 6	±15	+ 8	±13	395
1956	8.2	B	4 3.90	4.2165	813	58 56 57.0	17.187	324	+ 5	15	+ 3	13	396
1957	8.8	G0	4 9.00	4.1190	726	56 38 11.2	17.183	317	+104	14	+ 10	12	446
1958	7.3	G0	4 12.85	4.1189	725	56 37 13.0	17.181	317	+256	14	-201	12	449
1961	8.2	A2	4 17.65	4.1856	783	58 12 36.9	17.177	322	+ 2	16	+ 17	13	397
1962	9.0	A3	4 21.94	+4.1756	+774	57 57 56.8	+17.173	-322	+ 11	±14	+ 15	±12	517
1964	8.6	F0	4 33.88	4.2398	831	59 22 1.1	17.164	327	- 24	16	+ 53	14	434
1965	7.4	K0	4 36.70	4.2057	800	58 36 28.2	17.162	325	+ 5	16	- 40	13	399
1966	9.2	G0	4 40.00	4.1501	749	57 18 8.6	17.160	321	- 13	14	- 22	12	518
1967	9.2	B	4 45.41	4.2057	799	58 34 57.1	17.156	325	+ 23	16	- 25	13	400
1968	9.0	A0	4 51.14	+4.2267	+817	59 1 51.6	+17.151	-327	+ 24	±15	- 13	±13	-401
1969	6.5	A0p	4 53.15	4.1801	775	57 58 21.2	17.150	324	- 21	14	+ 16	12	519
1971	9.1	B8	4 59.13	4.0997	704	55 58 57.2	17.145	318	+ 8	14	+ 15	12	543
1972	8.8	A5	5 3.42	4.1893	782	58 9 15.9	17.142	325	+ 10	16	- 27	13	402
1973	8.4	B9	5 7.02	4.2191	808	58 48 51.3	17.139	327	+ 22	16	- 8	14	403
1975	9.0	A0	5 20.92	+4.2440	+830	59 18 58.3	+17.129	-329	+ 47	±16	+ 25	±14	439
1976	8.2	K0	5 23.82	4.1557	750	57 18 1.3	17.127	323	+ 39	12	- 56	11	521
1978	9.0	A0	5 24.64	4.2724	855	59 54 9.3	17.126	332	+ 12	16	- 30	14	441
1979	9.0	A	5 25.65	4.2534	838	59 30 3.2	17.125	330	- 3	16	- 6	14	443
1980	9.2	K2	5 30.59	4.0769	681	55 16 55.5	17.121	317	- 37	14	- 7	12	546
1981	8.6	B8	5 34.08	+4.1014	+702	55 54 46.7	+17.119	-319	- 45	±14	+ 4	±12	547
1983	8.6	B9	5 47.73	4.2244	808	58 48 30.5	17.108	329	- 6	16	- 28	14	408
1985	8.8	A2	5 56.54	4.2370	819	59 3 27.5	17.102	330	+ 13	16	+ 1	13	-409
1986	9.0		6 4.80	4.1866	773	57 54 11.4	17.095	327	- 33	14	+ 2	12	522
1987	7.8	B9	6 7.79	4.1871	773	57 54 16.2	17.093	327	+ 2	14	- 5	12	
1988	9.0	G5	6 9.04	+4.1528	+742	57 5 27.5	+17.092	-324	+ 8	±13	+ 22	±12	-458
1989	9.1	G5	6 9.45	4.2121	795	58 28 11.3	17.092	329	- 20	18	- 9	15	411
1990	9.0	A0	6 11.51	4.2371	817	59 0 56.1	17.090	331	+ 40	16	- 2	13	-410
1991	8.9	A0	6 12.55	4.2328	813	58 55 3.8	17.089	330	0	16	- 12	13	412
1992	9.2	A2	6 16.25	4.2154	797	58 31 21.6	17.087	329	+ 13	16	0	14	413
1993	9.1	G0	6 20.56	+4.1506	+739	57 0 6.1	+17.084	-324	+ 67	±14	- 26	±12	-461
1994	9.7	K2	6 22.03	4.2264	806	58 44 59.0	17.082	330	- 14	16	- 11	14	414
1995	8.2	F5	6 24.18	4.0788	678	55 9 41.5	17.081	319	- 13	14	- 43	12	551
1996	8.8	F8	6 25.03	4.1826	767	57 44 52.5	17.080	327	+ 28	14	+ 25	12	523
1997	8.8	B9	6 25.43	4.1245	716	56 20 27.0	17.080	322	+ 17	14	+ 5	12	462
1999	8.0	B3	6 27.26	+4.0809	+679	55 12 27.1	+17.078	-319	- 4	±14	- 7	±12	552
2000	9.4	A0	6 30.57	4.2198	799	58 34 39.0	17.076	330	+ 23	18	- 16	16	415
2003	9.0	A0	6 36.47	4.2307	808	58 48 0.2	17.071	331	+ 18	16	- 27	14	416
2004	8.4	A3	6 37.37	4.2242	803	58 39 20.1	17.071	331	+ 72	16	- 31	14	417
2005	8.6	A0	6 38.82	4.2380	815	58 57 12.4	17.069	332	+ 13	14	- 23	13	418

1938 = BD 488.

Epoch of observation, 1916.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2006	9.0 A0	6 48.10	+4.2626 +836	59 27 7.4	+17.062 -334	+.003 ± 16	+.003 ± 14	448
2007	9.3 A	6 49.93	4.2638 837	59 28 19.2	17.061 334	+ 22 15	- 19 13	449
2008	7.7 B9	6 52.26	4.0765 673	55 0 35.8	17.059 320			-500
2009	8.5 B1	6 53.43	4.1621 746	57 10 42.5	17.058 326	+ 33 17	+ 2 15	525
2011	8.5 A0	6 59.59	4.2346 809	58 49 5.5	17.054 332	+ 52 15	0 13	421
2012	7.8 F2	7 3.26	+4.2935 +863	60 2 46.3	+17.051 -337	+ 53 ± 16	- 57 ± 14	-450
2013	9.1 B9	7 5.97	4.0983 690	55 32 46.0	17.049 322	+ 3 14	+ 10 12	553
2014	7.8 B2	7 8.97	4.0936 686	55 24 42.5	17.046 322	+ 29 14	+ 16 12	554
2015	7.3 A0p	7 9.49	4.1867 766	57 42 33.4	17.046 329	+ 8 15	0 13	526
2016	8.4 A0	7 13.22	4.2994 867	60 8 7.8	17.043 338	+ 12 16	- 17 14	456
2017	8.8 B8	7 18.14	+4.1646 +745	57 9 38.9	+17.039 -328	+ 6 ± 15	+ 18 ± 13	527
2018	9.0 A0	7 19.18	4.2681 838	59 28 36.6	17.039 336	+ 26 16	+ 10 14	452
2020	8.3 B9	7 23.16	4.1935 770	57 49 29.1	17.035 330	- 5 15	- 6 13	528
2025	8.7 F2	7 52.82	4.1889 763	57 37 46.0	17.013 331	+ 52 14	- 18 12	529
2027	8.4 B0	7 57.73	4.1284 710	56 9 16.7	17.009 326	+ 35 14	- 10 12	469
2028	7.4 B1	8 3.25	+4.1408 +720	56 26 46.7	+17.005 -327	+ 34 ± 14	- 11 ± 12	470
2029	9.0 K0	8 6.81	4.1025 688	55 27 49.3	17.002 325	+ 3 14	+ 4 12	559
2030*	6.7 B1p	8 8.36	4.1425 721	56 28 21.0	17.001 328	+ 15 14	+ 25 12	471
2033	8.5	8 13.84	4.1463 724	56 32 51.3	16.996 328	- 20 14	0 12	473
2034	9.3	8 14.31	4.2108 780	58 3 59.4	16.996 333	+ 43 14	+ 3 12	-530
2035	7.0 B2p	8 15.90	+4.1299 +710	56 8 10.0	+16.995 -327	- 17 ± 16	+ 26 ± 14	475
2036	9.3	8 16.48	4.1454 723	56 31 1.4	16.994 328	- 2 18	+ 37 16	476
2037	8.1 F0	8 18.79	4.2108 779	58 3 15.0	16.993 333	+ 76 14	+ 3 12	-531
2038	8.3 B8	8 26.09	4.1333 712	56 11 14.7	16.987 328	- 2 13	- 4 11	478
2041	8.6 A0	8 31.22	4.2457 809	58 47 6.6	16.983 337	- 33 15	- 11 13	428
2043	8.9 B5	8 32.67	+4.1392 +716	56 18 56.9	+16.982 -329	- 28 ± 17	+ 28 ± 14	479
2044	8.8 A0	8 36.77	4.2542 816	58 57 16.0	16.978 338	+ 12 15	- 6 13	431
2045	8.3 A0	8 42.37	4.1596 732	56 47 2.7	16.974 330	+ 16 15	- 2 13	480
2046	9.2 A2	8 42.79	4.1049 686	55 24 57.1	16.974 326	+ 45 14	+ 23 12	561
2048	7.6 A3	8 44.72	4.1875 756	57 26 20.4	16.972 333	- 8 12	- 38 11	533
2049	9.0	8 54.28	+4.1542 +726	56 37 4.3	+16.965 -331	+ 35 ± 17	+ 76 ± 14	482
2052	9.1	9 1.29	4.1429 716	56 19 7.2	16.960 330	+ 34 15	- 24 13	484
2053	9.0 A0	9 1.12	4.2502 809	58 47 47.3	16.960 338	- 10 15	0 13	433
2054	8.6 B3	9 4.34	4.1328 707	56 3 36.5	16.957 329	+ 7 14	+ 18 12	-564
2055	8.8 B9	9 4.76	4.1019 682	55 16 8.3	16.957 327	+ 16 14	+ 15 12	565
2056	8.8 B2	9 5.40	+4.1512 +723	56 30 33.2	+16.956 -331	- 35 ± 14	+ 10 ± 12	485
2057*	6.0 K0	9 10.29	4.1856 752	57 19 7.1	16.953 333	+ 67 17	- 23 15	535
2059	9.2 A0	9 10.48	4.2063 770	57 47 46.3	16.952 335	- 2 13	- 8 13	534
2060	7.7 K0	9 13.73	4.1037 682	55 17 19.3	16.950 327	+ 65 14	+ 9 12	566
2061*	6.5 K0	9 17.78	4.1703 738	56 56 7.8	16.947 333	+ 5 14	+ 32 12	486
2062	8.8 B9	9 19.88	+4.1186 +694	55 39 6.9	+16.945 -329	- 1 ± 14	+ 15 ± 12	567
2063	9.0 A0	9 22.77	4.2561 812	58 51 34.3	16.943 340	+ 8 15	0 13	436
2064	7.7 G5	9 23.11	4.1287 702	55 33 55.4	16.942 330	- 23 15	+ 2 13	568
2065	8.4 A0	9 24.69	4.2534 810	58 47 45.0	16.941 339	+ 34 13	- 5 11	437
2067	8.4 F8	9 29.27	4.1845 749	57 14 11.5	16.938 334	+ 53 15	- 59 13	536
2069	8.5 K0	9 38.97	+4.1340 +705	55 59 4.9	+16.931 -330	+343 ± 14	-212 ± 12	570
2070	9.0	9 38.23	4.1531 721	56 27 32.8	16.931 332	+ 19 17	+ 42 15	497
2071	8.6 B2	9 38.50	4.1520 720	56 25 47.5	16.930 332	- 48 17	+ 48 15	498
2072	9.0 A0	9 41.68	4.2198 778	58 0 32.8	16.928 337	+ 1 15	+ 2 13	-537
2073	8.5 B5	9 42.44	4.1606 727	56 37 41.	16.927 332	- 16 17	+ 36 14	500

2030 = PGC 507. 2057 = PGC 513. 2061 = PGC 515. Epoch, 1916.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2074	9.1	9 44.42	+4.1585 +725	56 34 14.7	+16.926 -332	+.042 ± 17	+.026 ± 14	501
2076	9.1	9 47.01	4.1613 727	56 37 51.5	16.924 333	+ 6 17	+ 19 15	502
2078	9.2	9 55.03	4.1578 723	56 31 15.7	16.918 333	0 14	+ 17 12	504
2079	8.6 A0	9 57.53	4.1288 699	55 47 46.9	16.915 330	- 13 17	+ 52 14	571
2080	8.8	10 1.61	4.1662 730	56 42 21.5	16.912 334	+ 87 ± 15	- 64 ± 13	508
2081	9.0 F8	10 2.15	+4.2502 +802	58 37 9.9	+16.912 -341			438
2082	9.0	10 2.20	4.1645 728	56 39 38.7	16.912 334	+ 7 17	+ 37 15	509
2083	8.9	10 2.72	4.1574 722	56 29 15.9	16.912 333			511
2084	9.3	10 4.06	4.1588 723	56 31 3.5	16.910 333			513
2087	8.6 F0	10 15.47	4.3140 858	59 54 27.3	16.901 346	- 39 16	+ 4 13	460
2088*	6.7 B0	10 18.61	+4.1621 +725	56 33 22.5	+16.899 -334	+ 19 ± 12	+ 23 ± 10	522
2089	8.6	10 24.51	4.1627 725	56 33 5.8	16.894 334	+ 50 17	+ 7 15	527
2090	9.0	10 24.44	4.1625 724	56 32 52.9	16.894 334	+ 29 17	- 9 15	526
2093	6.4 B0	10 27.79	4.1647 726	56 35 25.3	16.892 334	+ 22 12	+ 21 10	530
2095	8.8 G5	10 32.59	4.2981 842	59 32 14.8	16.888 346	- 5 16	- 45 13	464
2097	8.0 A0	10 36.08	+4.2600 +807	58 43 48.3	+16.885 -343	+ 20 ± 18	+ 5 ± 15	440
2099	7.5 G5	10 38.42	4.2939 837	59 26 5.6	16.883 345	- 42 16	+ 2 13	466
2100	9.1	10 40.59	4.1626 723	56 29 59.4	16.882 335	- 5 15	- 5 13	534
2101	9.0 B	10 41.26	4.1651 725	56 33 34.8	16.881 335	+ 24 17	- 20 14	535
2102	7.3 A2	10 41.23	4.2951 838	59 27 5.3	16.881 345	- 9 16	- 10 13	467
2103	8.8 A3	10 51.68	+4.1890 +744	57 5 44.0	+16.873 -338	+ 14 ± 14	- 22 ± 12	541
2104	8.2 A0	10 51.92	4.2725 816	58 57 0.2	16.873 344	- 6 15	- 19 13	442
2105	9.0 K5	10 53.21	4.1160 683	55 18 5.5	16.872 332	+ 20 14	+ 10 12	575
2106	9.1	10 53.87	4.1648 723	56 30 49.9	16.871 336			538
2108	8.6 K2	10 56.54	4.1870 742	57 2 0.3	16.869 338	- 16 14	0 12	- 539
2113	8.2 A0	11 8.51	+4.1760 +731	56 44 25.9	+16.860 -337	+ 15 ± 15	+ 7 ± 13	543
2115	8.8 G5	11 18.81	4.1474 706	56 0 50.7	16.851 335	- 7 14	- 2 12	- 581
2116	8.4 K5	11 20.70	4.2833 823	59 5 39.9	16.850 346	- 1 13	+ 17 11	- 445
2117	8.6 B5	11 28.96	4.1694 724	56 31 17.2	16.843 337	- 25 17	+ 37 14	545
2118	9.0 F0	11 33.50	4.1227 685	55 20 57.9	16.840 334	- 14 14	- 8 12	583
2119	9.1 G0	11 36.94	+4.2086 +756	57 24 50.9	+16.837 -341	- 59 ± 14	- 28 ± 12	542
2120	7.2 K5	11 42.61	4.1667 720	56 24 58.8	16.833 337	+ 20 15	0 13	547
2121	8.4 B9	11 46.76	4.2837 820	59 1 47.7	16.829 347	- 24 14	+ 6 12	- 446
2122	8.6 A2	11 47.90	4.2019 749	57 13 50.7	16.828 340	- 27 14	+ 13 12	545
2124	8.4 B2	11 51.18	4.1408 698	55 45 12.1	16.826 336	- 51 14	+ 14 12	587
2126	6.8 B9p	12 2.02	+4.1254 +684	55 19 57.9	+16.817 -335	- 1 ± 14	- 17 ± 12	588
2129	8.9 G0	12 5.40	4.2876 821	59 3 27.5	16.815 347	+ 53 15	- 27 13	- 448
2130	8.4 B9	12 10.75	4.1231 682	55 14 57.1	16.810 335	+ 5 14	+ 12 12	590
2131	7.8 K5	12 11.89	4.1772 726	56 34 56.8	16.810 339	+ 31 14	+ 34 12	551
2132	8.9 K2	12 12.48	4.2906 823	59 5 58.3	16.809 348	- 20 13	- 6 11	472
2133	8.8 K2	12 14.56	+4.2893 +822	59 4 1.5	+16.807 -348	- 26 ± 15	- 20 ± 13	- 449
2134	7.0 K0	12 15.27	4.2706 805	58 40 20.9	16.807 347	- 1 14	- 9 12	450
2135	8.9 F5	12 16.77	4.2359 775	57 54 54.6	16.805 345	- 34 14	- 15 12	546
2137	8.4 B3	12 24.11	4.1666 716	56 17 24.0	16.800 339	+ 46 15	- 14 13	555
2138	9.2	12 25.31	4.1663 716	56 16 42.2	16.799 339	+ 8 15	- 4 13	556
2139	9.1 F5	12 30.10	+4.2399 +777	57 57 56.6	+16.795 -345	+ 13 ± 13	- 18 ± 11	547
2141	8.4 G5	12 40.39	4.2524 787	58 12 34.4	16.787 347	+ 13 14	- 9 12	452
2143	8.0 G5	12 49.20	4.2439 778	57 59 56.1	16.780 346	- 9 14	- 11 12	549
2144	8.0 K5	12 50.08	4.2123 752	57 17 16.9	16.779 344	- 22 14	- 9 12	550
2147	8.5 Bp	13 1.01	4.1931 734	56 48 43.5	16.770 342	- 21 16	+ 26 13	565

2088 = PGC 519.

Epoch of observation, 1916.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2148	8.3 B2	13 5.27	+4.1733 +718	56 19 50.1	+16.767 -341	+.005 ± 15	-.003 ± 13	567
2150*	6.6 A2p	13 6.33	4.1876 729	56 40 6.8	16.766 342	+ 21 12	+ 20 10	568
2151	8.9 B0	13 7.85	4.2921 818	58 58 32.1	16.765 350	- 31 16	+ 7 13	455
2152	8.4 B	13 11.95	4.1842 726	56 34 14.9	16.762 342	+ 16 15	+ 23 13	570
2153	9.1	13 12.32	4.1839 726	56 33 47.2	16.761 342	- 2 13	+ 10 12	571
2154	9.2	13 14.17	+4.1843 +726	56 33 58.2	+16.760 -342	+ 18 ± 14	0 ± 12	572
2155	7.2 K5	13 17.33	4.2749 802	58 35 17.1	16.757 350	0 16	+ 48 13	456
2156	9.1 A0	13 18.48	4.1592 705	55 57 0.4	16.756 341	- 3 14	+ 10 12	596
2157	8.4	13 18.85	4.1836 725	56 32 15.6	16.756 342	+ 5 14	+ 35 12	574
2158	9.1	13 19.98	4.1843 725	56 33 1.9	16.755 342	+ 34 18	+ 58 16	575
2159	9.2	13 21.06	+4.1841 +725	56 32 36.1	+16.754 -343	+ 41 ± 18	+ 20 ± 16	576
2160	7.7 Ma	13 21.07	4.1628 707	56 1 48.6	16.754 341	- 14 14	+ 18 12	- 597
2161	9.2	13 22.62	4.3517 869	60 7 41.2	16.753 356	- 44 16	+ 14 14	467
2163	8.7 B0	13 27.41	4.1915 730	56 41 53.4	16.749 343	- 1 13	+ 17 11	577
2164	9.0	13 28.94	4.1854 725	56 32 59.2	16.748 343	+ 10 17	+ 20 14	578
2165	9.2	13 33.02	+4.1928 +731	56 42 40.7	+16.744 -344	- 47 ± 16	+ 34 ± 14	582
2166	8.5 Ma	13 35.50	4.1856 725	56 32 9.5	16.743 343	+ 6 17	+ 25 14	583
2168*	5.5 A2p	13 39.41	4.1344 683	55 16 19.4	16.740 339	+ 1 14	- 20 12	598
2171	9.1 B9	13 54.58	4.1870 724	56 30 49.6	16.727 344	+ 22 15	+ 40 13	588
2172	9.2	13 58.39	4.2057 739	56 56 20.1	16.724 346	+ 43 17	0 15	589
2174	9.2 A0	14 2.01	+4.1383 +684	55 18 12.9	+16.721 -340	+ 28 ± 14	- 12 ± 12	599
2175	7.7 A0	14 3.49	4.1948 730	56 40 20.7	16.720 345	+ 6 15	+ 37 13	591
2176	8.4 K0	14 7.62	4.1692 708	56 3 2.2	16.717 343	+ 6 15	- 18 13	- 600
2177*	7.0 B8p	14 9.53	4.2017 734	56 48 52.2	16.715 345	- 10 14	- 2 12	593
2179	8.6 K0	14 11.74	4.1586 699	55 46 44.6	16.713 342	- 4 15	- 11 13	601
2181	9.0 A0	14 16.62	+4.1481 +690	55 30 18.2	+16.710 -341	+ 1 ± 14	- 20 ± 12	603
2182	8.6 A0	14 19.02	4.2678 789	58 15 45.0	16.708 352	- 16 15	- 18 13	457
2185	9.2	14 20.17	4.2067 738	56 53 59.4	16.707 347	+ 20 16	+ 35 14	594
2186	7.6 K0	14 20.58	4.2338 760	57 30 58.3	16.706 349	+ 21 14	+ 15 12	553
2187	8.3	14 21.07	4.1951 728	56 37 38.3	16.706 345	- 9 17	+ 21 14	595
2188	8.8 A0	14 29.80	+4.3216 +835	59 20 59.3	+16.699 -356	- 15 ± 18	- 15 ± 15	474
2189	8.2 K5	14 33.80	4.1972 728	56 38 24.2	16.696 346	- 24 13	0 11	597
2190	8.6 A0	14 35.65	4.1823 716	56 16 57.1	16.694 345	+ 27 14	- 9 12	598
2195	9.0 G0	14 48.71	4.1850 717	56 18 31.0	16.684 346	+ 62 15	- 39 13	600
2196	9.3 A	14 49.61	4.3425 851	59 42 44.6	16.683 358	- 17 16	+ 3 13	477
2197	8.6 B8	14 58.85	+4.2281 +751	57 16 39.8	+16.675 -350	- 35 ± 15	0 ± 13	554
2199	9.4 A0	15 4.72	4.2385 759	57 29 41.5	16.671 351	+ 14 15	+ 25 13	555
2200	9.3 G0	15 7.15	4.2210 745	57 5 32.1	16.668 350	- 56 15	- 6 13	556
2201	9.2 B8	15 10.58	4.2079 734	56 46 59.4	16.666 349	- 43 14	0 12	602
2203	9.3 A0	15 24.53	4.1774 707	56 1 27.6	16.654 346	- 31 14	+ 59 12	- 607
2204	9.2 B0	15 25.60	+4.2953 +805	58 39 31.3	+16.654 -356	+ 1 ± 15	- 2 ± 13	461
2206	9.0 A0	15 29.55	4.2977 807	58 41 46.6	16.650 356	- 21 15	- 25 13	462
2208	9.0 A0	15 35.21	4.2270 747	57 8 57.9	16.646 351	- 16 15	- 24 13	559
2209	9.0 A0	15 47.67	4.2066 729	56 38 49.1	16.636 350	- 48 14	- 16 12	605
2210	8.4 A0	15 51.78	4.3302 833	59 17 54.7	16.632 360	+ 12 16	- 29 13	482
2211	8.8 B	15 53.41	+4.2181 +737	56 53 40.9	+16.631 -351	- 54 ± 15	- 3 ± 13	606
2212	8.5 A3	15 54.46	4.1745 702	55 52 6.3	16.630 347	+ 16 14	- 17 12	609
2214	8.0 K0	16 13.96	4.3664 862	59 56 54.2	16.614 363	- 31 16	- 3 13	483
2215	7.7 B9	16 17.34	4.3406 839	59 26 13.6	16.612 362	+ 42 16	- 4 13	484
2217*	6.3 B2	16 27.42	4.1856 708	56 2 28.4	16.604 350	+ 37 13	+ 24 11	- 612

2150 = PGC 533. 2168 = PGC 534. 2177 = PGC 535. 2217 = PGC 544. Epoch, 1916.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2218*	8.3 A2	16 27.77	+4.2554 + 765	57 38 3.9	+ 16.603 - 355	+.030 ± 13	-.029 ± 11	566
2219	8.4 Ma	16 28.49	4.2212 737	56 52 7.8	16.603 353	+ 34 12	+ 12 10	609
2220	9.0 B8	16 45.19	4.2129 728	56 37 53.5	16.589 352	+ 11 14	+ 31 12	611
2221	9.2	16 51.96	4.2190 733	56 45 8.3	16.583 353	- 14 14	- 8 12	612
2222	8.8 A0	16 52.94	4.2195 733	56 45 39.1	16.582 353	- 3 14	+ 8 12	613
2223	8.1 A2	16 55.98	+4.2276 + 739	56 56 10.6	+ 16.580 - 354	+ 23 ± 12	+ 15 ± 10	616
2225	8.7 B8	17 9.46	4.1927 710	56 5 26.3	16.569 352	+ 26 14	+ 40 12	615
2226	8.1 B9	17 11.48	4.1698 691	55 32 7.4	16.567 350	+ 34 14	- 12 12	616
2227	8.8 B9	17 24.19	4.2121 724	56 30 6.7	16.557 354	+ 21 14	- 5 12	620
2228	7.0 K0	17 24.81	4.3324 824	59 5 34.6	16.557 364	+ 75 16	- 35 13	486
2229	7.1 A0	17 25.49	+4.2192 + 729	56 39 41.4	+ 16.556 - 354	- 21 ± 15	+ 8 ± 13	621
2230	9.2 A	17 32.65	4.2529 756	57 23 58.4	16.550 357	+ 3 14	- 5 12	—
2231	9.0 A	17 33.80	4.2523 755	57 22 57.9	16.549 357	- 11 14	- 7 12	567
2234	7.8 0e	17 43.80	4.2967 791	58 18 35.0	16.540 361	- 25 13	- 2 11	467
2236	8.6 A0	17 47.82	4.3088 801	58 33 2.6	16.538 363	+ 60 19	- 12 16	468
2237	7.0 B1	17 49.71	+4.2421 + 745	57 6 47.3	+ 16.536 - 357	- 32 ± 15	- 7 ± 13	568
2241	7.4 F2	18 18.77	4.3124 801	58 32 33.5	16.512 364	+ 153 15	- 84 13	471
2242	9.2 A0	18 22.31	4.2038 711	56 8 44.7	16.509 355	+ 10 14	+ 5 12	627
2243	8.2 A5	18 24.39	4.3066 795	58 24 21.4	16.508 364	+ 136 15	- 95 13	472
2244	8.9 G5	18 25.23	4.2544 752	57 17 13.3	16.506 359	- 48 15	- 6 13	570
2246	8.9 A2	18 36.85	+4.1681 + 682	55 15 1.5	+ 16.497 - 353	- 7 ± 14	- 12 ± 12	621
2252	8.7 A0	19 4.48	4.2040 708	56 2 0.5	16.474 356	+ 10 14	- 21 12	- 622
2253	9.2 B	19 5.72	4.2059 709	56 4 32.3	16.473 357	+ 69 17	- 7 15	- 623
2254	9.0 A3	19 10.16	4.1814 689	55 28 49.7	16.469 355	+ 16 14	- 15 12	624
2256	8.1 B5	19 15.48	4.2347 731	56 42 40.6	16.465 360	+ 16 12	+ 14 10	630
2257	8.9 A3	19 25.73	+4.2340 + 730	56 39 57.9	+ 16.456 - 360	+ 21 ± 13	+ 11 ± 11	631
2258	8.7 A2	19 34.40	4.1930 696	55 41 27.1	16.449 357	+ 9 15	- 9 13	626
2260	9.0 A3	19 59.08	4.3427 815	58 53 15.9	16.428 371	- 28 15	- 18 13	475
2261	9.0 A0	20 16.89	4.2136 708	56 3 30.7	16.413 360	+ 16 14	+ 16 12	- 629
2263*	8.5 B	20 20.06	4.4084 869	60 5 44.2	16.410 376	- 46 16	- 17 14	487
2265	8.5 B	20 25.59	+4.4103 + 870	60 6 57.4	+ 16.406 - 377	- 26 ± 14	- 20 ± 12	488
2266	8.5 A0	20 26.42	4.2353 724	56 31 43.5	16.405 362	+ 26 13	- 16 11	632
2267	9.2 B8	20 28.66	4.4122 871	60 8 38.3	16.403 377	- 8 14	- 49 12	492
2271	8.6 B8	20 42.22	4.2842 762	57 33 51.8	16.392 367	- 21 14	- 15 12	572
2272	9.0 G0	20 44.47	4.3025 777	57 56 51.1	16.391 369	+ 91 15	+ 44 13	573
2274	9.2 G0	20 55.24	+4.3320 + 800	58 31 24.5	+ 16.381 - 372	- 5 ± 15	- 16 ± 13	476
2275	7.0 A2p	20 58.79	4.2721 751	57 15 37.1	16.378 367	+ 39 15	+ 8 ± 13	576
2277	8.7 A2	21 3.69	4.3116 782	58 4 59.6	16.374 370	+ 21 15	- 15 13	- 577
2278*	8.7 B3	21 5.92	4.2471 730	56 41 19.3	16.372 365	+ 19 12	0 10	635
2279	8.7 K2	21 9.69	4.2723 750	57 14 1.4	16.369 367	+ 7 15	- 11 13	578
2280	8.2 A0	21 11.78	+4.2225 + 710	56 6 48.8	+ 16.367 - 363	+ 32 ± 14	- 11 ± 12	637
2281	9.2 A2	21 16.76	4.3514 814	58 51 29.3	16.363 374	+ 24 15	- 21 13	478
2284	8.2 F5	21 42.64	4.4229 872	60 9 9.9	16.341 381	+ 76 18	- 88 15	495
2285	6.6 F5	22 2.06	4.1809 673	54 59 31.1	16.325 361	+ 66 14	- 117 12	561
2288	8.7 A2	22 10.81	4.3295 790	58 16 33.8	16.317 374	+ 3 15	- 28 13	479
2289	9.0 A0	22 18.95	+4.3515 + 807	58 41 51.9	+ 16.311 - 376	+ 29 ± 15	- 16 ± 13	481
2290	8.7 B0p	22 23.90	4.2410 718	56 20 23.7	16.306 367	- 3 12	0 10	642
2291	6.6 K5	22 24.93	4.2925 758	57 28 1.7	16.305 371	- 39 15	- 22 13	580
2294	8.9 A3	22 35.23	4.2029 687	55 25 43.1	16.297 364	+ 23 14	- 18 12	639
2295	6.6 K0	22 50.74	4.2727 740	56 58 24.7	16.283 371	+ 15 17	- 11 15	644

2218 = BDS 1241: 8.4, 9.8, 8".2.
2278 = BDS 1277: 8.8, 11.3, 2".

2263 = BDS 1271: 8.9, 9.9, 17"; separated on plates.
Epoch of observation, 1916.30

2^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
2296	6.6 B3	22 52.57	+ 4.2806 + 746	57 8 26.5	+ 16.282 - 371	-.034 ± 14	+.006 ± 12	582
2298	9.2 A5	22 58.71	4.4282 867	60 3 27.4	16.277 384	+ 7 15	- 39 13	- 504
2300	9.0 B8	23 10.04	4.2363 710	56 6 34.8	16.267 369	- 24 14	- 9 12	647
2304	8.8 B	23 25.09	4.2722 736	56 52 23.0	16.254 372	+ 25 14	+ 17 12	648
2305	9.0	23 30.94	4.2400 711	56 8 20.2	16.249 369	- 57 15	- 19 13	649
2307	8.3 K0	23 43.29	+ 4.3304 + 781	58 3 18.9	+ 16.239 - 377	+ 16 ± 14	- 21 ± 12	- 583
2308	8.3 B8	23 49.74	4.2985 755	57 22 27.0	16.233 375	+ 23 15	+ 6 13	584
2309	9.1 B9	23 49.86	4.2473 714	56 15 7.9	16.233 371	- 12 14	- 24 12	651
2310	8.2 F5	23 51.74	4.2801 740	56 58 22.6	16.231 374	+ 44 14	- 29 12	652
2312	7.5 A0	23 56.68	4.4030 839	59 26 42.9	16.227 384	- 20 15	- 30 13	505
2313	9.0 K0	23 59.97	+ 4.4366 + 867	60 3 29.6	+ 16.224 - 387	- 14 ± 15	- 46 ± 13	- 506
2315*	7.8 A2	24 2.24	4.3256 775	57 54 28.0	16.222 378	- 1 15	- 22 13	585
2316	8.9 A3	24 17.23	4.2698 729	56 40 50.1	16.209 374	- 19 14	+ 3 12	654
2318	8.4 K0	24 20.79	4.4219 852	59 44 13.3	16.206 387	+ 13 16	- 59 13	509
2319	8.5 B	24 24.20	4.2298 698	55 45 49.0	16.203 370	- 16 13	- 24 11	643
2321	7.9 B3	24 31.42	+ 4.2854 + 740	56 59 0.6	+ 16.197 - 376	+ 18 ± 13	- 10 ± 11	656
2322	9.3	24 32.37	4.2858 740	56 59 22.8	16.196 376	- 1 17	- 24 15	657
2323	8.7 F5	24 32.24	4.2178 688	55 27 51.9	16.196 370	- 35 14	- 11 11	644
2325	9.0 A0	24 42.86	4.2143 684	55 21 15.4	16.187 369	+ 4 14	- 16 12	645
2326	6.9 K0	24 46.38	4.3686 805	58 39 33.1	16.184 383	- 9 15	- 27 13	485
2327	8.4 F2	24 47.99	+ 4.3673 + 804	58 37 43.9	+ 16.183 - 383	- 55 ± 15	- 11 ± 13	486
2328	8.8 B0	25 4.13	4.3307 773	57 51 9.3	16.169 381	+ 39 14	- 17 12	589
2329	8.6 A2	25 7.53	4.2655 721	56 27 16.0	16.166 375	+ 3 14	- 12 12	659
2330	9.0 B9	25 9.38	4.2486 708	56 4 17.6	16.164 374	- 46 14	- 25 12	- 647
2331	9.0 B8	25 18.87	4.2153 682	55 16 53.9	16.156 371	0 15	+ 14 13	649
2332	9.0 A0	25 23.90	+ 4.3820 + 812	58 49 33.7	+ 16.152 - 386	- 24 ± 15	- 4 ± 13	487
2333	8.5 B	25 25.78	4.4450 864	60 0 0.0	16.150 391	- 40 15	- 9 13	- 513
2336	8.8 F8	26 5.04	4.2270 686	55 25 54.6	16.116 374	+ 6 14	- 6 12	655
2339	8.6 G0	26 12.62	4.4102 830	59 14 37.2	16.111 390	+ 239 15	- 113 13	515
2342	7.4 F8	26 30.28	4.3467 776	57 57 32.3	16.094 385	- 3 14	- 38 12	591
2344	9.1 B	26 34.91	+ 4.2980 + 738	56 56 13.0	+ 16.090 - 381	+ 16 ± 14	+ 4 ± 12	660
2348	7.8 A0p	27 5.28	4.3298 760	57 31 35.2	16.064 385	+ 18 14	- 12 12	594
2349	8.8 A0	27 8.60	4.3135 747	57 10 45.1	16.061 383	+ 69 15	- 26 13	595
2350	9.0 A0	27 10.77	4.3803 799	58 31 33.1	16.059 390	- 18 15	- 10 13	491
2351	8.8 G0	27 15.19	4.2158 672	54 59 8.7	16.055 376	- 15 14	- 15 12	581
2352	8.1 B9	27 19.31	+ 4.2332 + 684	55 22 58.7	+ 16.052 - 377	+ 48 ± 14	- 15 ± 12	660
2353	9.2 A2	27 21.44	4.3303 758	57 29 43.8	16.050 385	+ 20 14	- 16 12	596
2355	9.2 A2	27 26.20	4.2907 727	56 38 52.4	16.046 381	+ 12 14	+ 3 12	662
2356	9.4	27 29.44	4.2910 727	56 38 46.7	16.043 382	- 5 14	+ 12 12	663
2357	8.7 A0	27 30.27	4.3158 746	57 10 20.0	16.042 384	- 8 15	- 33 13	599
2358	9.2 A0	27 30.57	+ 4.3188 + 749	57 14 4.7	+ 16.042 - 385	+ 20 ± 15	- 7 ± 13	598
2362*	7.4 A0	27 35.53	4.4261 833	59 20 9.2	16.037 394	- 14 15	- 20 13	519
2363	8.8 B9	27 39.15	4.3362 761	57 34 19.5	16.034 387	+ 16 15	- 16 13	600
2364	8.8 A0	27 42.06	4.2356 684	55 22 38.7	16.032 378	+ 39 14	- 16 12	663
2365	7.7 K0	27 44.37	4.2477 693	55 38 55.5	16.030 379	- 17 13	- 34 12	665
2366	9.0	27 46.43	+ 4.2346 + 683	55 20 33.1	+ 16.028 - 378	+ 6 ± 14	- 14 ± 12	664
2368	9.2 A5	27 54.26	4.2363 684	55 21 48.8	16.021 379	+ 65 17	- 22 15	—
2369	6.9 K2	27 57.93	4.2369 684	55 22 4.2	16.018 379	+ 24 14	- 9 12	667
2370	7.3 F0	28 4.52	4.4410 842	59 32 29.0	16.012 397	+ 2 15	- 35 13	521
2371	9.0 A0	28 5.90	4.2377 684	55 21 51.0	16.011 379	+ 8 14	- 18 12	668

2315=BDS 1295:8.6,8.6,2″. 2362=BDS 1317:7.5,10.8,3″. Epoch, 1916.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2372	8.8 A0	28 7.31	+4.2308 +678	55 12 3.1	+16.009 -379	-.060 ± 15	-.012 ± 13	669
2373	8.4 A5	28 22.58	4.2417 685	55 24 48.9	15.996 380	+ 31 16	- 8 12	671
2374	9.4 F8	28 24.97	4.2298 676	55 7 57.9	15.994 379	+ 10 13	0 11	670
2375	9.0 K0	28 31.79	4.3994 806	58 41 44.5	15.988 394	- 12 15	- 11 13	494
2376	9.3 F0	28 33.31	4.2303 676	55 7 22.0	15.987 379	+ 26 13	- 12 11	672
2377	8.4 A0	28 48.45	+4.2452 +685	55 25 37.3	+15.973 -381	+ 10 ± 14	- 9 ± 12	674
2380	9.4 A	28 57.03	4.2428 683	55 21 9.7	15.966 381	+ 90 13	+ 15 11	676
2386	7.7 M2	29 22.68	4.2976 721	56 30 4.6	15.943 387	- 1 12	+ 10 10	673
2388	8.0 B2	29 30.48	4.3351 749	57 16 20.9	15.936 391	+ 28 14	+ 6 12	602
2389	8.6 F0	29 34.90	4.2471 683	55 21 4.5	15.932 383	- 23 15	+ 26 13	679
2390	9.1 B	29 43.22	+4.3257 +741	57 2 49.6	+15.925 -390	+ 36 ± 14	+ 16 ± 12	-676
2391	8.9 A2	29 46.24	4.3167 734	56 51 0.2	15.922 389	+ 11 12	- 16 10	677
2393	9.3 F2	29 55.49	4.3166 733	56 49 27.5	15.914 390	+ 18 13	+ 50 11	679
2394	7.6 K0	29 58.12	4.3898 789	58 18 0.1	15.912 396	+ 21 13	- 44 13	497
2395	9.2 F5	30 4.28	4.4432 831	59 17 36.7	15.906 402	+ 14 15	- 32 13	525
2396	8.2 B	30 6.60	+4.4024 +798	58 31 23.6	+15.904 -398	- 13 ± 15	- 18 ± 13	498
2398	8.6 G0	30 17.46	4.3920 789	58 17 43.7	15.895 397	+ 7 15	- 31 13	499
2400	8.0 F5	30 35.72	4.3771 775	57 57 33.8	15.878 397	+ 3 14	+ 10 12	605
2401	8.3 G5	30 41.12	4.3372 744	57 8 18.5	15.873 394	- 12 15	-145 13	606
2404	8.8 A0	30 53.29	4.3873 781	58 7 5.3	15.863 398	+ 39 15	- 19 13	502
2408	8.9 A0	31 33.37	+4.3035 +714	56 18 12.1	+15.827 -392	+ 7 ± 12	0 ± 10	682
2409	7.6 F0	31 33.52	4.2773 694	55 43 50.4	15.827 390	+ 12 16	- 14 12	688
2410	7.3 K0	31 33.77	4.3256 730	56 46 9.9	15.827 394	+ 25 13	- 64 11	683
2411	9.0 K0	31 34.98	4.3837 774	57 56 46.2	15.825 399	- 18 14	- 16 12	608
2413	9.0 K5	31 43.40	4.4027 788	58 17 46.8	15.818 402	+ 53 15	- 33 13	503
2414	8.7 A0	31 52.76	+4.3521 +748	57 16 14.7	+15.809 -397	- 13 ± 15	- 7 ± 13	610
2415	8.6 A2	31 54.86	4.4980 863	60 0 49.2	15.808 411	+ 48 16	- 41 13	529
2416	8.5 B9	31 55.64	4.4511 825	59 10 29.2	15.807 407	+ 4 16	- 44 13	530
2417	9.1 B9	31 56.07	4.3378 737	56 58 15.3	15.807 396	+ 13 14	+ 16 12	685
2420	7.2 B9	32 7.11	4.2810 694	55 43 50.3	15.797 391	+ 26 14	- 8 12	689
2421	9.1 0a	32 8.46	+4.3023 +709	56 11 26.9	+15.795 -393	+ 6 ± 14	0 ± 12	686
2424	9.0 B9	32 16.30	4.3741 763	57 39 24.5	15.788 400	- 11 14	+ 3 12	613
2425	9.3 G5	32 20.33	4.3016 708	56 8 49.2	15.785 394	+ 38 14	- 38 12	687
2426	7.2 F5	32 22.56	4.4150 793	58 26 19.0	15.783 404	+ 41 15	- 15 13	504
2429	9.2 B8	32 31.79	4.4386 811	58 51 40.1	15.774 407	+ 22 15	- 8 13	505
2433	8.3 G5	32 41.27	+4.3405 +735	56 54 57.4	+15.766 -398	+ 27 ± 12	+ 15 ± 10	689
2436	8.5 A0	32 58.64	4.3409 733	56 52 56.9	15.750 399	+ 25 14	+ 33 12	690
2438*	8.8 G5	33 6.11	4.4930 850	59 45 41.9	15.743 413	- 7 16	- 23 13	531
2439	8.5 A2	33 12.13	4.3020 703	56 1 40.9	15.738 396	+ 37 14	- 29 12	-692
2440	8.6 A0	33 14.11	4.4004 777	58 2 7.1	15.736 405	+ 12 14	- 3 12	-615
2442	8.6 F8	33 28.53	+4.4333 +801	58 37 41.3	+15.723 -408	- 49 ± 13	- 12 ± 11	506
2445	8.5 G0	33 44.96	4.3850 762	57 39 40.8	15.708 405	- 60 17	- 18 15	616
2446	8.6 0e	33 46.33	4.3219 715	56 22 5.4	15.707 399	- 28 14	- 19 12	693
2447	7.2 A0	33 50.54	4.4215 789	58 21 11.9	15.703 408	- 11 15	- 23 13	508
2448	9.0 F5	33 56.23	4.2978 696	55 49 39.4	15.698 397	+ 6 14	- 40 12	694
2449	9.4 B2	34 4.44	+4.3364 +724	56 37 49.0	+15.691 -401	+ 3 ± 15	- 5 ± 13	694
2450	8.8 G0	34 5.76	4.5188 864	60 4 22.1	15.689 418	- 17 16	- 36 13	-533
2451	9.1 K0	34 9.41	4.4266 791	58 24 23.7	15.686 409	- 17 15	- 12 13	509
2452	8.6 A0	34 11.01	4.4016 772	57 55 29.4	15.685 407	+ 36 15	- 14 13	619
2457	8.6 F2	34 19.96	4.4440 804	58 42 28.0	15.677 411	+ 66 15	- 39 13	510

2438 = BDS 12906: 9.2, 10.2, 0".5.

Epoch of observation, 1916.30

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2458	7.9 A3	34 23.19	+4.3073 +701	55 58 6.9	+15.674 -399	.000 ± 13	-.021 ± 11	696
2459	8.7 B	34 26.34	4.3714 747	57 17 34.5	15.671 405	- 5 15	- 6 13	620
2460	7.3 B9p	34 27.75	4.4768 828	59 17 16.6	15.669 414	- 3 16	- 41 13	535
2465	8.4 B	34 50.98	4.3996 766	57 47 31.6	15.648 408	+ 14 15	- 2 13	622
2466	9.2 A2	34 55.31	4.3189 706	56 8 19.5	15.644 401	+ 2 13	- 3 11	701
2470	8.6 A2	35 3.57	+4.3406 +721	56 34 33.2	+15.637 -403	+ 68 ± 14	- 26 ± 12	702
2471	8.4 B	35 7.38	4.3195 706	56 7 25.2	15.633 401	+ 19 14	- 10 12	703
2472	8.2 K0	35 10.24	4.3754 746	57 16 12.5	15.631 407	+ 61 15	- 43 13	623
2474	9.2 A5	35 14.78	4.3097 698	55 53 45.8	15.627 400	+ 10 17	+ 2 14	698
2475	9.4 B8	35 21.59	4.2986 689	55 38 24.7	15.620 400	+ 15 14	- 3 12	699
2476	9.1 A	35 31.46	+4.3251 +707	56 11 4.5	+15.611 -403	+ 42 ± 15	- 33 ± 13	706
2479	9.0 F0	35 43.55	4.4151 773	57 58 6.7	15.600 411	+ 30 13	- 41 11	628
2480	8.5 B	35 45.35	4.4179 775	58 1 7.8	15.598 411	- 11 13	- 12 11	- 629
2481	8.9 A2	35 46.10	4.2816 675	55 12 26.5	15.598 399			701
2482	8.0 F0	35 54.58	4.3478 722	56 36 14.5	15.590 406	+ 8 17	- 22 15	708
2485*	8.4 G5	36 12.06	+4.3746 +740	57 6 30.7	+15.574 -409	+ 8 ± 14	+ 24 ± 12	630
2486	8.7 A0	36 16.96	4.3231 702	56 1 58.4	15.570 404	+ 6 15	- 2 13	-702
2487	8.2 A0	36 18.93	4.3233 702	56 1 56.3	15.568 404	- 6 15	- 19 13	
2488	9.2 B3	36 19.90	4.3665 733	56 55 34.6	15.567 408	+ 21 14	+ 13 12	709
2489	9.4 A7	36 21.08	4.4641 806	58 47 57.5	15.566 417	+ 39 15	- 22 13	512
2491	9.2 B3	36 30.08	+4.4633 +805	58 45 54.0	+15.558 -417	+ 42 ± 15	0 ± 13	513
2495	9.2 A7	37 23.81	4.5452 862	60 4 41.5	15.508 427	- 64 16	- 41 13	- 539
2496	6.2 A5	37 35.07	4.5444 861	60 2 31.8	15.498 427	+ 12 16	- 34 13	- 541
2498	7.2 B2	37 37.06	4.3894 742	57 12 17.9	15.495 413	- 38 14	+ 3 12	632
2499	7.7 G5	37 41.22	4.3007 678	55 21 2.3	15.492 405	+ 17 12	- 16 10	704
2500	8.6 A0	37 41.62	+4.4718 +804	58 45 25.2	+15.491 -421	- 61 ± 15	+ 6 ± 13	517
2501	9.0 B	37 56.97	4.4738 804	58 45 31.1	15.477 422	+ 14 15	+ 7 13	518
2502	9.2 G5	37 58.96	4.5385 853	59 53 17.9	15.475 427	- 47 16	- 28 13	542
2504	8.1 B	38 9.76	4.3904 740	57 8 58.2	15.465 414	- 9 14	+ 22 12	634
2508	9.2 A0	38 25.59	4.4425 777	58 7 2.2	15.451 420	- 2 13	- 3 13	519
2509	9.1 F8	38 29.11	+4.2932 +669	55 4 23.2	+15.447 -406	- 17 ± 16	+ 19 ± 13	- 604
2514	7.2 A0	38 52.94	4.2964 669	55 5 15.8	15.425 407	+ 58 12	- 7 10	- 606
2515	7.4 G5	39 1.45	4.4570 784	58 18 23.3	15.417 423	+ 14 15	- 7 13	521
2516	7.2 K2	39 5.05	4.4238 759	57 40 26.0	15.414 420	- 14 15	- 10 13	636
2517	7.6 K0	39 11.37	4.3057 674	55 14 52.1	15.408 409	- 24 14	+ 2 12	706
2519	8.4 A0	39 24.96	+4.4053 +744	57 16 16.6	+15.395 -418	- 25 ± 15	- 12 ± 13	638
2521	9.2 G0	39 38.79	4.4387 767	57 52 52.3	15.382 422	+ 23 15	- 46 13	639
2522	8.0 G0	39 42.55	4.4195 752	57 30 24.8	15.379 420	+ 98 14	- 100 12	640
2525	9.1 A2	39 49.45	4.3620 710	56 20 50.1	15.372 415	- 6 14	- 21 12	715
2526	8.9 K0	39 50.60	4.4196 751	57 29 21.2	15.371 421	- 43 14	+ 10 12	641
2527	6.6 K0	40 2.27	+4.3713 +715	56 30 34.4	+15.360 -417	- 11 ± 14	+ 19 ± 12	717
2528	8.4 A2	40 8.99	4.3491 699	56 2 15.7	15.354 414	+ 36 14	- 2 12	- 709
2529	8.4 F0	40 9.19	4.5661 860	60 4 8.9	15.354 435	- 2 13	- 36 11	- 548
2531	8.5 F5	40 14.55	4.4157 746	57 21 41.1	15.349 421	+ 97 15	- 56 13	643
2532	6.2 F5p	40 18.32	4.3757 717	56 33 39.2	15.345 418	+ 20 14	+ 12 12	718
2534	8.4 K0	40 29.69	+4.4903 +800	58 43 2.0	+15.334 -429	- 30 ± 16	+ 20 ± 13	523
2539	8.6 F8	40 53.92	4.3201 675	55 19 11.4	15.312 414	+ 10 13	- 57 13	710
2540	8.8 A	40 56.37	4.3597 702	56 8 50.8	15.309 418	- 19 15	- 10 13	721
2541	8.0 A0	40 57.25	4.3045 664	54 58 27.8	15.309 412	+ 30 14	- 39 12	610
2543	9.2 B	40 58.24	4.5610 851	59 52 48.2	15.308 436	- 10 16	- 36 13	549

2485 = BDS 12909: 8.9, 9.5, 0".2.

Epochs: Stars 2458 to 2526, 1916.30; stars 2527 to 2543, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		h m s	s	° ' "	"	"	"	
2545	8.9 K5	41 3.05	+4.3578 +700	56 5 35.0	+15.303 -417	+.014 ± 14	-.033 ± 12	723
2546	9.0 A2	41 10.40	4.3257 678	55 24 12.8	15.296 415	+ 7 15	0 13	711
2548	8.9 G5	41 29.33	4.3799 714	56 29 4.3	15.279 420	+ 84 12	-152 10	725
2549*	6.6 B0	41 30.71	4.5662 851	59 53 49.8	15.277 438	+ 26 16	- 35 13	552
2550	8.8 A0	41 32.69	4.3270 676	55 22 43.8	15.275 415	+ 28 11	- 21 10	712
2551*	3.6 K0	41 35.56	+4.3271 +676	55 22 29.5	+15.273 -415			714
2556	9.4	41 56.91	4.5774 857	60 1 40.0	15.252 440	+ 10 ± 16	- 22 ± 14	-555
2557	9.3 B	41 57.64	4.5779 857	60 2 0.1	15.252 440	+ 14 16	- 28 14	
2559	9.2 K0	42 17.88	4.4477 758	57 41 55.1	15.232 428	- 15 15	+ 4 13	650
2561	6.0 A0	42 23.71	4.4536 761	57 47 42.9	15.227 429	- 61 15	+ 3 13	651
2562	8.4 B	42 33.65	+4.3893 +714	56 31 46.2	+15.217 -423	+ 17 ± 12	- 11 ± 10	728
2563	9.4 A0	42 36.84	4.4527 759	57 45 1.0	15.215 430	+ 13 15	+ 5 13	652
2567	9.0 Oe5	43 5.54	4.5769 848	59 52 26.1	15.187 442	- 34 16	- 19 13	558
2568	8.0 A2	43 15.53	4.4045 721	56 44 20.1	15.178 426	+ 36 14	- 17 12	732
2569	7.6 A3	43 18.11	4.5834 852	59 57 16.2	15.175 444	- 30 16	- 25 13	559
2575	8.6 A2	43 27.91	+4.5544 +829	59 27 2.8	+15.166 -441	+ 17 ± 16	- 5 ± 13	560
2577	9.1 F8	43 35.38	4.3416 676	55 24 38.7	15.159 421	- 26 14	- 7 12	717
2578	9.0 B8	43 37.17	4.5844 850	59 55 52.2	15.157 444	+ 28 16	- 28 13	561
2579	8.2 B9	43 42.96	4.4876 778	58 14 57.1	15.151 435	- 8 15	+ 12 13	525
2581	9.3 B	43 48.61	4.5866 851	59 56 37.4	15.146 445	+ 11 16	- 12 13	562
2582	9.3 A0	43 54.82	+4.3395 +673	55 19 25.8	+15.140 -422	- 29 ± 16	+ 1 ± 11	719
2584	9.2 B9	44 4.16	4.4817 771	58 5 48.0	15.131 436	- 22 15	0 13	526
2588	8.4	44 28.65	4.6035 859	60 8 11.2	15.108 448	- 16 16	- 15 14	586
2591	9.1 G0	44 50.20	4.4192 723	56 49 10.6	15.087 431	+ 65 12	+ 11 10	736
2593	8.6 F8	45 6.20	4.5910 845	59 51 15.7	15.071 449	- 66 16	+ 2 13	565
2596	9.2 A7	45 31.28	+4.3879 +697	56 6 30.1	+15.047 -430	- 34 ± 14	+ 6 ± 12	740
2600	7.8 A3	45 36.14	4.5624 821	59 19 1.7	15.043 447	- 15 16	- 5 13	567
2601	8.6	45 49.76	4.5883 839	59 43 16.4	15.030 450	- 21 16	- 2 13	568
2606	8.4 K0	46 10.26	4.4972 770	58 6 33.8	15.010 441	+ 15 15	+ 15 13	528
2607	7.6 F5	46 12.69	4.6010 846	59 52 56.4	15.007 452	- 14 16	- 6 13	569
2608	9.1 K0	46 14.68	+4.4569 +741	57 21 28.5	+15.005 -438	- 24 ± 14	+ 8 ± 12	659
2609	9.2 F0	46 15.71	4.5525 809	59 4 9.6	15.005 447	+ 11 15	+ 23 13	-527
2610	8.8 A0	46 19.94	4.3656 678	55 32 49.0	15.001 429	+ 27 14	+ 5 12	722
2611	9.3	46 20.81	4.4496 735	57 12 28.2	15.000 437	+ 5 14	+ 2 12	660
2612	9.4	46 22.06	4.4495 735	57 12 8.1	14.999 437	+ 47 17	- 33 15	
2614	9.1 G0	46 30.46	+4.4756 +753	57 40 28.7	+14.991 -440	+117 ± 15	- 8 ± 13	661
2616	8.2 K5	46 36.44	4.4664 745	57 29 24.0	14.984 439	- 8 15	- 16 13	662
2617	9.2 A5	46 39.32	4.4709 748	57 34 1.2	14.982 440	+ 63 15	- 10 13	663
2618	9.0 A2	46 40.59	4.3886 692	55 58 19.8	14.981 432	+ 20 14	- 33 12	723
2619	9.4 A0	46 43.29	4.4422 728	57 1 9.8	14.978 437	- 18 14	+ 6 12	-745
2620	8.9 K2	46 49.20	+4.5159 +779	58 21 42.7	+14.972 -445	- 43 ± 13	- 19 ± 11	530
2621	9.5	46 50.04	4.5163 780	58 22 0.2	14.971 445	- 2 15	+ 11 13	531
2623	8.6 A0	46 57.04	4.5327 791	58 38 27.6	14.964 447	- 4 16	- 11 13	532
2624	7.4 K0	46 57.57	4.4652 743	57 25 19.8	14.964 440	- 10 14	+ 14 12	665
2626	8.8 A0	47 16.33	4.5310 787	58 34 15.3	14.946 447	+ 30 14	- 45 12	533
2627	9.2 G5	47 19.50	+4.3862 +686	55 50 17.6	+14.943 -433	+ 14 ± 14	+ 3 ± 12	725
2628	8.3 A0p	47 19.75	4.3779 681	55 40 8.1	14.942 432	+ 17 14	+ 15 12	726
2629	8.5 B	47 19.82	4.5319 788	58 34 48.3	14.942 447	- 1 14	- 41 12	534
2632	8.8 G0	47 23.06	4.5039 767	58 4 39.6	14.939 445	+ 23 13	- 31 11	535
2634	9.2 G0	47 34.35	4.6109 844	59 52 41.5	14.928 456	+ 45 16	- 23 13	571

2549 = BDS 1438: 6.6, 9.3, 2".

2551 = PGC 639.

Epoch, 1915.85

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
2638	8.4 G5	47 44.45	+4.4944 + 759	57 51 34.4	+ 14.919 - 445	+.114 ± 14	-.289 ± 12	666
2641	7.3 F5	47 49.40	4.3480 658	54 58 59.1	14.914 430	+ 23 14	- 67 12	621
2643	9.0 K0	47 51.96	4.4225 708	56 29 30.1	14.911 438	- 1 12	- 23 10	747
2644	8.7 K2	47 57.80	4.5971 831	59 36 19.7	14.905 456	- 40 16	- 7 13	572
2645	8.6 K5	48 3.94	4.6109 841	59 49 1.4	14.899 457	- 6 16	- 6 13	573
2646	9.0 G5	48 13.59	+4.3577 + 663	55 8 4.9	+ 14.890 - 432	+ 31 ± 14	- 8 ± 12	727
2647	9.0 B9	48 30.37	4.5933 825	59 28 38.9	14.874 456	+ 8 16	- 13 13	574
2648	8.9 A0	48 48.56	4.5497 791	58 42 22.5	14.856 452	- 3 15	- 2 13	538
2649	9.0 G0	48 49.20	4.3713 669	55 20 26.7	14.855 435	+ 59 14	- 36 12	729
2651	8.3 B9	48 53.10	4.3727 669	55 21 39.5	14.851 435	+ 40 11	- 4 9	730
2657	9.2 K0	49 19.59	+4.4302 + 705	56 27 17.3	+ 14.825 - 441	+ 10 ± 13	- 20 ± 14	751
2658	8.4 A0	49 22.79	4.5915 818	59 20 34.8	14.822 457	+ 11 15	+ 9 13	576
2659	9.2 B8	49 26.46	4.5966 821	59 25 7.3	14.818 458	- 15 15	0 13	577
2661	9.3	49 33.46	4.6392 852	60 5 34.1	14.812 462	+ 22 13	+ 11 11	606
2662	8.1 B	49 36.92	4.6378 850	60 3 46.1	14.808 462	- 16 13	+ 14 11	- 578
2663	8.6 A0	49 43.76	+4.4745 + 733	57 14 50.0	+ 14.802 - 446	+ 12 ± 14	0 ± 12	669
2664	7.6 A0	49 47.76	4.5793 806	59 5 20.3	14.798 457	+ 48 15	- 20 13	- 540
2670	7.0 K5	50 23.86	4.4743 729	57 9 38.8	14.762 448	+ 8 14	+ 23 12	672
2671	9.0 G0	50 34.63	4.4946 742	57 30 45.4	14.752 450	+ 75 13	- 46 11	673
2673	8.7 K2	50 43.85	4.5714 795	58 50 37.4	14.742 458	- 18 13	- 37 11	544
2674	9.2 G0	50 55.37	+4.5755 + 797	58 53 26.8	+ 14.731 - 459	+ 23 ± 15	+ 102 ± 13	545
2675	8.6 A3	51 5.77	4.5207 757	57 55 9.4	14.721 454	+ 36 15	- 13 13	675
2676	8.6 A2	51 6.06	4.5925 808	59 9 8.7	14.720 461	- 14 15	- 27 13	581
2678	8.5 A3	51 7.72	4.4091 682	55 48 45.3	14.719 443	+ 35 14	- 17 12	733
2681	7.7 A0	51 13.28	4.5942 808	59 9 56.8	14.713 462	- 42 15	- 14 13	582
2683	9.4 A	51 32.48	+4.5591 + 781	58 32 11.4	+ 14.694 - 459	+ 13 ± 15	+ 15 ± 13	—
2684	9.0 A2	51 33.10	4.5161 751	57 46 55.3	14.694 454	+ 23 14	+ 6 12	677
2686	8.5 A2	51 34.57	4.5593 781	58 32 10.9	14.692 459	- 6 15	+ 7 13	546
2688	9.2 A0	51 50.24	4.6553 848	60 4 44.0	14.677 469	+ 18 16	- 9 13	- 583
2691	8.4 G5	52 8.26	4.4193 683	55 53 22.5	14.658 446	- 45 14	- 23 12	736
2692	9.2 B8	52 13.31	+4.5530 + 773	58 21 3.2	+ 14.653 - 460	- 2 ± 15	+ 4 ± 13	548
2693	8.4 B3	52 14.70	4.5234 752	57 49 45.0	14.652 457	- 30 14	+ 17 12	678
2694	8.8 F2	52 18.10	4.4691 715	56 49 43.8	14.649 452	+ 16 12	+ 5 10	761
2698	8.5 A5	52 28.28	4.4032 671	55 31 41.4	14.639 445	+ 29 13	- 14 10	737
2699	9.0 B9	52 34.51	4.6016 805	59 7 45.6	14.632 465	+ 19 16	- 29 13	584
2700	9.0 A0	52 49.55	+4.4996 + 733	57 19 46.6	+ 14.617 - 455	- 8 ± 14	- 12 ± 12	680
2703	8.7 Oe5	53 11.04	4.4903 724	57 6 58.2	14.596 455	+ 34 15	- 20 13	681
2704	9.1 G5	53 14.54	4.6618 843	60 1 2.1	14.592 473	- 14 16	+ 14 13	- 585
2706	9.2 G5	53 29.58	4.6644 844	60 1 44.9	14.577 474	- 19 16	- 3 13	- 586
2712	7.5 G5	53 58.72	4.6009 795	58 57 13.3	14.548 468	- 66 15	+ 53 13	551
2713	7.0 F5	54 0.81	+4.6548 + 833	59 49 5.4	+ 14.546 - 474	- 30 ± 16	- 36 ± 13	588
2714	8.2 K0	54 1.35	4.6252 812	59 20 45.2	14.546 470	+ 14 15	- 9 13	587
2722	8.8 B8	54 48.65	4.6068 794	58 57 12.1	14.498 470	- 26 15	+ 6 13	554
2725	8.4 F0	55 6.47	4.5019 721	57 5 53.1	14.480 461	+ 33 15	+ 1 13	683
2726	8.2 A0	55 7.43	4.6448 819	59 32 1.6	14.479 475	- 16 16	+ 4 13	589
2733	9.0 A0	55 54.20	+4.6691 + 831	59 49 47.1	+ 14.432 - 479	+ 15 ± 16	- 3 ± 13	590
2735*	9.0 A2	56 8.00	4.5166 725	57 14 33.7	14.418 464	+ 32 15	- 24 13	685
2737*	5.8 K0	56 9.68	4.4613 689	56 12 49.4	14.416 458	- 18 12	+ 48 10	767
2739	6.6 K0	56 21.18	4.4297 668	55 34 46.0	14.404 456	+ 27 14	- 31 12	738
2740	9.2 B9	56 22.46	4.4591 686	56 8 52.3	14.403 459	+ 26 15	+ 12 13	768

2735 = BDS 1547: 9.7, 9.8, 1″. 2737 = PGC 697. Epoch, 1915.85

2^h-3^h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ' "	"		"		"		
2741	9.0	A2	56 29.92	+4.4634	+689	56 12 51.2	+14.395	-459	+.004	±11	+.014	± 9	769
2742	8.8	A2	56 31.68	4.6275	798	59 5 47.0	14.394	476	+ 6	15	+ 3	13	592
2743	9.1	F5	56 36.12	4.4682	691	56 17 35.5	14.389	460	+ 23	12	- 42	10	770
2744	7.4	A5	56 49.58	4.5088	716	57 1 12.8	14.376	465	+ 2	15	+ 15	13	-771
2745	9.4	F0	56 51.48	4.5515	744	57 46 40.8	14.374	469	- 5	15	- 6	13	688
2746	8.4	A0	56 52.04	+4.4755	+694	56 23 57.6	+14.373	-462	+ 17	±15	- 15	±13	772
2750	8.0	K0	57 19.79	4.5740	756	58 6 48.3	14.345	473	- 35	15	+ 16	13	556
2751	9.1		57 27.39	4.5153	717	57 3 54.5	14.337	467	+ 21	14	- 12	12	-774
2756	8.9	F8	57 55.58	4.6656	816	59 32 49.4	14.308	483	- 85	16	0	13	595
2757	9.3	F0	58 0.52	4.5276	722	57 13 16.3	14.303	469	- 35	15	0	13	694
2759	9.3	K2	58 5.32	+4.6213	+784	58 49 9.8	+14.298	-479	- 24	±15	+ 6	±13	558
2760	9.0	K0	58 7.78	4.4246	656	55 15 57.0	14.296	459	- 17	15	- 19	13	739
2761	9.4		58 15.00	4.7080	843	60 9 53.5	14.288	488	+ 3	16	- 29	14	627
2762	8.7	K0	58 28.27	4.6242	784	58 49 27.5	14.275	480	+ 6	15	+ 13	13	560
2763	9.4	A3	58 37.16	4.6561	805	59 19 13.2	14.265	483	- 42	16	- 5	13	596
2766	8.8	F8	58 50.98	+4.5571	+737	57 38 49.8	+14.252	-473	+ 6	±15	- 3	±13	695
2768	8.2	B9	58 55.81	4.4236	651	55 8 59.1	14.246	461	- 15	14	- 11	12	741
2769	7.2	G0	58 57.18	4.4956	696	56 31 52.5	14.246	467	+146	14	- 60	12	778
2770*	8.0	K0	59 5.49	4.4771	684	56 10 0.1	14.236	466	- 19	14	- 25	12	779
2771	7.2	F0	59 12.97	4.5721	744	57 51 54.6	14.229	476	+ 50	15	- 41	13	696
2772	9.0	K0	59 13.29	+4.6319	+784	58 51 51.8	+14.229	-482	- 1	±15	- 3	±13	562
2774	9.2	K0	59 25.63	4.4709	678	56 0 39.7	14.216	466	- 22	14	+ 5	12	-743
2775	8.6	K5	59 28.39	4.5745	745	57 52 40.1	14.213	477	+ 6	15	- 6	13	697
2777	8.8	B9	59 35.61	4.6910	822	59 45 32.0	14.206	489	+ 21	16	+ 6	13	598
2778	8.3	B9	59 37.32	4.6352	784	58 52 30.2	14.204	483	- 8	15	+ 25	13	563
2781	8.2	K0	59 40.79	+4.4491	+663	55 33 44.7	+14.200	-464	+ 3	±14	- 12	±12	744
2782	8.0	A2	59 41.07	4.5994	760	58 16 29.8	14.200	480	- 51	15	0	13	564
2783	9.0	A7	59 47.41	4.5877	751	58 4 0.2	14.193	479	- 7	15	- 12	13	565
2784	8.6	G5	59 50.71	4.6926	822	59 45 24.7	14.190	490	- 22	16	- 8	13	599
2790	8.9	G5	0 23.70	4.7161	834	60 3 13.4	14.156	493	- 41	15	- 16	13	-600
2791	9.0	A5	0 24.93	+4.6119	+764	58 24 14.4	+14.155	-483	- 2	±15	+ 3	±13	566
2792	8.0	B5	0 31.08	4.6519	790	59 2 39.2	14.148	487	0	15	- 3	13	-567
2793	9.0	A0	0 35.40	4.5687	734	57 39 7.1	14.144	479	+ 19	14	- 13	12	700
2795	8.6	A2	0 52.08	4.4659	667	55 45 1.0	14.127	469	+ 43	13	+ 8	10	745
2797	9.1	K0	1 2.76	4.7207	833	60 3 6.4	14.116	495	- 24	15	- 12	13	-602
2799	8.4	G5	1 4.77	+4.4884	+680	56 8 59.7	+14.113	-471	- 41	±11	- 49	± 9	785
2800	8.9	B8	1 12.88	4.6591	790	59 4 59.3	14.105	489	+ 5	15	- 2	13	-568
2801	8.6	K0	1 14.70	4.6307	771	58 37 18.6	14.103	486	- 2	15	+ 21	13	569
2807	8.6	A2	1 31.84	4.5724	731	57 36 36.6	14.086	481	+ 12	14	- 16	12	701
2808	7.5	A0	1 33.77	4.7314	837	60 9 27.5	14.083	497	- 48	16	- 32	13	636
2809	8.4	G0	1 42.83	+4.4455	+651	55 15 24.6	+14.075	-468	+126	±14	- 73	±12	747
2812	7.5	R5	1 49.32	4.5636	724	57 25 31.3	14.067	480	+ 10	14	- 9	12	702
2813	8.5	K0	2 3.84	4.5373	706	56 56 2.5	14.052	478	+ 34	12	- 5	10	787
2816	8.5	G5	2 11.19	4.5820	734	57 42 1.7	14.045	483	- 13	15	- 70	13	703
2817	8.3	B9	2 14.24	4.6152	755	58 15 26.0	14.041	486	+ 20	13	+ 15	11	572
2818	8.5	K2	2 21.97	+4.6217	+759	58 21 1.2	+14.033	-487	- 1	±15	0	±13	573
2820	8.8	K7	2 26.61	4.5543	714	57 11 35.2	14.029	480	+ 17	15	- 47	13	704
2822	8.5	B8	2 42.86	4.6924	803	59 26 39.1	14.011	495	- 17	15	+ 8	13	607
2824	9.2	A5	2 52.65	4.5029	680	56 13 3.3	14.002	476	+ 47	12	- 2	10	791
2829	7.3	Ma	3 7.42	4.4755	662	55 40 27.7	13.986	474	+ 11	14	+ 8	12	749

2770 = BDS 12925: 8.1, 10.6, 1".6.

Epochs: Stars 2741 to 2784, 1915.85; stars 2790 to 2829, 1916.34

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2831	9.2 A0	3 45.94	+4.4607 + 649	55 19 6.5	+ 13.946 - 474	+.023 ± 13	-.063 ± 11	750
2833	9.1 F2	4 9.57	4.5011 672	56 2 20.9	13.921 478	- 3 14	- 6 12	- 752
2834	6.9 B5	4 14.29	4.6802 786	59 5 28.8	13.916 497	- 4 16	- 10 13	609
2836	8.5 F8	4 23.55	4.4639 648	55 18 33.3	13.906 475	+ 52 12	- 60 10	753
2839	8.7 G5	4 49.06	4.6478 761	58 30 39.6	13.879 495	- 40 15	- 69 13	577
2841	9.1 A2	5 11.84	+4.4851 + 657	55 37 25.5	+ 13.855 - 478	+ 16 ± 14	- 28 ± 12	756
2842	9.0 B8	5 16.05	4.7098 799	59 26 32.1	13.851 503	- 15 15	- 4 13	611
2843*	8.8 B8	5 21.79	4.7106 799	59 26 38.8	13.845 503	- 4 15	- 17 13	612
2844	8.4 G5	5 27.35	4.4980 663	55 50 10.8	13.839 480	+ 23 11	- 49 9	757
2845	9.1	5 28.85	4.7596 831	60 9 57.1	13.837 508	+ 28 16	- 39 13	650
2846	8.9 K5	5 31.25	+4.4866 + 656	55 36 57.5	+ 13.835 - 479	+ 40 ± 14	- 7 ± 12	758
2849	8.9 G0	5 38.37	4.5040 666	55 55 41.6	13.827 482	+ 14 16	- 12 14	759
2850	9.0 K0	5 39.40	4.5358 685	56 30 29.8	13.827 484	+ 123 14	- 80 12	795
2852	8.3 K5	5 57.69	4.6413 750	58 17 3.7	13.807 497	- 36 13	- 4 11	579
2853	9.1 A2	5 58.99	4.7224 802	59 33 28.6	13.805 506	- 51 16	+ 6 13	615
2854	8.8 G0	6 0.23	+4.7342 + 810	59 44 5.2	+ 13.805 - 507	+ 68 ± 15	- 97 ± 13	614
2855	7.5 K0	6 13.54	4.7300 804	59 38 54.4	13.790 507	- 32 15	- 7 13	616
2856*	6.2 A0p	6 14.19	4.5485 690	56 40 21.4	13.790 488	+ 13 12	+ 7 10	798
2859	9.0 B8	6 26.08	4.5558 693	56 46 52.0	13.777 489	+ 19 14	+ 21 12	799
2861	8.8 G5	6 27.77	4.7455 815	59 51 22.7	13.775 509	- 33 16	+ 15 14	619
2862	9.2 K0	6 33.79	+4.5856 + 711	57 17 12.5	+ 13.769 - 493	+ 5 ± 15	- 31 ± 13	708
2864	8.8 A2	6 38.54	4.7023 785	59 10 57.7	13.764 504	+ 15 16	+ 9 14	620
2866	8.8 K2	6 44.69	4.6795 770	58 48 55.8	13.757 503	- 21 15	+ 2 13	580
2867	8.1 A0	6 44.97	4.7254 800	59 31 29.3	13.757 507	+ 4 16	- 14 13	621
2869	8.8 B8	6 47.92	4.5603 694	56 49 15.6	13.754 490	+ 40 14	+ 16 12	800
2870	9.0 G5	6 48.21	+4.7319 + 804	59 37 7.7	+ 13.753 - 508	- 29 ± 16	+ 18 ± 13	622
2872	9.3 B5	6 51.86	4.5880 711	57 17 43.7	13.750 493	+ 23 15	- 31 13	709
2873	9.5 A	6 57.53	4.7326 803	59 36 44.5	13.743 508	- 16 14	- 12 11	623
2874	7.6 B3	7 2.14	4.7324 802	59 36 6.6	13.738 508	- 14 14	+ 28 11	625
2878	8.5 F5	7 15.14	4.6745 763	58 41 3.1	13.724 503	- 65 17	+ 3 15	581
2882	9.0 B8	7 36.66	+4.6173 + 725	57 42 47.0	+ 13.702 - 497	- 16 ± 15	- 18 ± 13	710
2884	8.9 A2	7 41.01	4.6876 769	58 50 46.6	13.697 505	- 7 15	+ 6 13	582
2885	8.3 F5	7 54.37	4.6559 748	58 19 8.0	13.683 502	+ 69 15	- 3 13	583
2887	9.3 K7	8 7.19	4.5268 667	56 4 37.7	13.669 489	- 4 14	+ 14 12	802
2888	9.3 A0	8 12.63	4.6315 730	57 53 15.6	13.664 500	+ 26 17	- 23 15	—
2889	8.8 K0	8 20.57	+4.7203 + 786	59 17 3.8	+ 13.655 - 510	- 47 ± 15	+ 5 ± 13	629
2890	8.6 K7	8 26.59	4.6319 730	57 52 9.4	13.649 500	+ 21 15	- 22 13	711
2892	8.3 B8	8 51.09	4.7164 781	59 10 22.1	13.622 511	- 12 15	+ 6 13	630
2893	9.3 F5	8 51.32	4.5150 656	55 46 50.9	13.622 490	- 32 14	- 13 12	760
2894	8.8 A5	8 52.37	4.4913 642	55 20 14.5	13.621 487	+ 16 12	- 4 10	761
2896	8.8 A3	8 55.56	+4.5035 + 649	55 33 35.3	+ 13.618 - 488	+ 11 ± 14	- 56 ± 12	762
2899	9.4 F8	9 0.51	4.7130 777	59 6 14.0	13.612 511	+ 33 16	- 47 13	631
2901	9.1 A0	9 12.32	4.5390 669	56 10 59.4	13.600 492	+ 8 12	+ 11 10	803
2904	9.1 A2	9 34.10	4.5324 663	56 1 23.8	13.576 492	+ 21 13	- 61 11	- 763
2905	8.9 K7	9 35.67	4.5565 677	56 27 18.4	13.575 495	+ 5 12	+ 13 10	804
2908	9.1 A2	10 0.02	+4.6436 + 728	57 53 57.1	+ 13.549 - 505	+ 10 ± 15	- 17 ± 13	714
2909	8.9 B8	10 2.79	4.7396 788	59 24 19.0	13.546 515	+ 17 14	+ 5 12	632
2912	8.8 A7	10 32.31	4.6759 745	58 22 3.7	13.514 509	- 1 15	- 21 13	585
2913	9.3 B9	10 36.79	4.6639 737	58 10 3.6	13.509 508	- 15 15	- 19 13	586
2914	8.2 B8	10 52.98	4.7564 794	59 34 24.4	13.492 519	+ 20 15	0 13	634

2843 = BDS 12928: 9.2, 10.2, 0".6. 2856 = PGC 724. Epoch, 1916.34

3^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
2915	8.3 B2	10 54.10	+4.6801 +745	58 23 54.6	+13.490 -511	+.011 ±15	.000 ±13	587
2916	7.2 K0	10 56.55	4.4894 631	55 4 46.5	13.487 490	- 6 13	+ 6 10	766
2919	7.7 K0	11 8.49	4.6216 708	57 25 4.9	13.475 505	+ 14 14	- 25 12	715
2923	9.0 K0	11 36.59	4.6588 728	57 58 59.3	13.444 510	+ 10 15	- 14 13	716
2929	9.1 G5	11 56.54	4.7005 751	58 36 54.8	13.423 515	+ 4 15	- 9 13	589
2932	9.5 A	12 17.80	+4.5521 +660	56 5 34.4	+13.400 -499	+ 8 ±14	+ 13 ±12	807
2933	9.1 B8	12 19.24	4.7521 782	59 21 58.1	13.398 521	- 17 15	+ 14 13	638
2935	8.8 K2	12 31.15	4.6442 714	57 39 12.4	13.385 510	+ 21 15	- 15 13	718
2937	8.6 B8	12 42.63	4.5021 629	55 7 52.9	13.373 495	+ 10 14	0 12	770
2938	8.5 K0	12 47.56	4.7694 790	59 34 39.4	13.367 524	- 5 16	+ 41 13	639
2939	8.4 G5	12 48.63	+4.7235 +761	58 53 3.5	+13.366 -519	- 9 ±15	- 16 ±13	592
2945	9.2 B9	13 6.39	4.7086 750	58 37 30.8	13.347 518	+ 23 17	- 9 15	593
2948	9.3 B8	13 22.71	4.5352 645	55 40 29.6	13.329 500	- 27 14	- 6 12	773
2950	8.3 A5	13 26.88	4.6888 736	58 16 44.1	13.325 517	+ 3 15	- 47 13	594
2952	9.1 B8	13 36.29	4.7071 746	58 33 11.2	13.314 519	+ 29 15	- 13 13	595
2953	9.3 B5	13 38.10	+4.5451 +649	55 49 41.3	+13.312 -501	- 6 ±14	- 21 ±12	774
2954	5.8 K0	13 40.97	4.6897 735	58 16 18.1	13.309 517	- 6 15	- 14 13	596
2955	9.3 A2	13 43.51	4.5186 634	55 19 57.4	13.306 499			775
2959	8.3 A0	13 54.36	4.5383 644	55 40 34.9	13.295 501	+ 44 11	- 12 9	776
2961	8.1 F0	13 57.52	4.6756 724	58 1 8.8	13.291 516	+ 4 15	+ 6 13	-720
2962	9.0 A2	14 37.12	+4.5732 +660	56 13 48.2	+13.248 -506	+ 48 ±14	- 7 ±12	808
2963	9.0 F	14 37.08	4.6774 722	57 58 57.0	13.248 518	+ 4 15	- 26 13	721
2964	8.5 K2	14 39.66	4.7624 774	59 17 30.4	13.245 527	+ 6 16	- 53 13	646
2967	8.8 A7	14 57.35	4.7994 795	59 48 19.8	13.225 532	- 37 18	+ 6 15	647
2969	8.2 B8	15 8.11	4.8167 805	60 2 12.5	13.214 533	+ 46 18	- 34 15	-648
2972	9.1 B8	15 21.12	+4.6667 +711	57 44 17.6	+13.200 -518	+ 41 ±15	- 3 ±13	722
2973	9.0 A0	15 23.36	4.7346 752	58 48 7.0	13.197 526	- 14 13	- 11 11	598
2974	6.8 K0	15 25.70	4.6991 730	58 14 51.2	13.194 522	- 48 15	+ 10 13	599
2976	9.0 B9	15 33.11	4.5278 630	55 18 56.5	13.186 503	+ 9 14	- 21 12	779
2977	9.2 B8	15 40.95	4.5887 664	56 23 39.1	13.178 510	+ 49 14	+ 13 12	809
2978	8.1 B5	15 48.56	+4.7494 +758	58 59 12.8	+13.169 -528	- 10 ±13	+ 4 ±11	600
2985	9.0 F5	16 24.66	4.7178 736	58 26 37.3	13.130 526	0 15	- 37 13	601
2986	9.3 A0	16 26.36	4.8145 795	59 52 53.5	13.128 536	+ 19 14	- 13 12	653
2987	7.8 G5	16 26.67	4.8115 793	59 50 17.3	13.127 536	- 16 14	- 17 12	654
2989	7.3 A2	16 39.86	4.8216 798	59 57 42.8	13.113 538	+ 45 16	- 10 13	655
2990	7.6 K5	16 41.96	+4.5552 +639	55 41 51.3	+13.110 -508	- 32 ±14	+ 20 ±12	785
2991	8.4 G5	16 51.66	4.6293 681	56 58 11.9	13.100 517	+ 32 12	-127 10	812
2994	8.6 F8	17 1.26	4.6826 711	57 49 48.6	13.089 523	+ 6 15	+ 4 13	724
2995	9.0 B5	17 2.25	4.6689 703	57 36 24.8	13.088 521	- 5 15	- 13 13	723
2998	7.7 B9	17 27.79	4.7445 746	58 45 14.8	13.060 531	+ 7 15	- 8 13	602
2999	9.1 B5	17 43.95	+4.6035 +661	56 26 44.4	+13.042 -515	- 2 ±14	+ 4 ±12	813
3000	8.5 A0	17 56.61	4.7752 762	59 10 10.8	13.028 535	+ 31 16	- 31 13	656
3003*	6.3 B8	18 14.74	4.8217 788	59 48 59.8	13.008 541	+ 67 16	+ 3 13	657
3005	9.5 G5	18 24.48	4.7097 720	58 7 37.1	12.997 529	+ 27 15	- 36 13	604
3006	9.0 A0	18 25.03	4.5420 624	55 17 15.2	12.996 510	+ 11 14	- 3 12	787
3010	8.6 F8	18 41.84	+4.6559 +686	57 14 1.3	+12.978 -523	+ 18 ±15	- 60 ±13	725
3012	9.1 G0	18 51.48	4.7786 758	59 8 2.7	12.967 537	+ 4 16	- 20 13	659
3014	9.3 G5	18 54.13	4.8478 800	60 7 23.5	12.964 545	+ 25 16	- 49 13	685
3016*	4.6 B9p	18 57.84	4.8045 773	59 30 8.4	12.960 540			660
3017	9.1 F5	19 3.82	4.5406 620	55 11 48.0	12.953 511	+ 27 14	- 45 12	791

3003 = BDS 12936:6.6,8.0,0.3".

3016 = PGC 781 = BDS 1703:4.6,8.9,2".

Epoch of observation, 1916.34

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
3018	9.2 F8	19 28.38	+4.7715 +750	58 58 13.8	+12.926 -538	-.044 ± 14	+.011 ± 12	606
3021*	9.1 B3	19 38.43	4.8074 770	59 28 54.9	12.915 542	+ 4 16	+ 5 13	661
3022*	5.0 A0p	19 56.82	4.7395 728	58 26 34.6	12.894 535	- 26 15	+ 11 13	607
3024	8.5 F2	20 7.16	4.8178 774	59 35 15.5	12.883 544	- 3 16	+ 6 13	662
3032	9.0 K7	21 24.92	4.7236 710	58 3 42.0	12.796 535	+ 26 14	+ 3 12	-727
3033	9.0 K	21 28.66	+4.7377 +718	58 16 20.1	+12.791 -537	- 34 ± 15	- 23 ± 13	612
3037	8.3 F2	22 12.63	4.6034 638	56 0 37.3	12.742 524	+ 50 14	- 47 12	-794
3043	9.0 F2	22 54.93	4.7551 720	58 24 26.0	12.695 542	+ 57 15	- 12 13	616
3050	8.1 K0	23 19.86	4.7972 742	58 59 46.5	12.667 548	+158 15	-294 13	617
3051	8.4 A	23 30.06	4.7540 716	58 20 11.0	12.654 543	- 10 15	- 49 13	618
3053	7.1 A2	23 32.38	+4.7544 +716	58 20 20.3	+12.652 -543	- 14 ± 15	- 41 ± 13	619
3054	8.1 A0	23 41.16	4.7227 697	57 50 12.5	12.642 540	+ 3 13	- 12 11	729
3055	8.1 K2	23 41.74	4.8622 778	59 53 33.1	12.641 556	- 2 15	- 14 13	670
3060	6.8 F5	23 48.73	4.6984 682	57 26 28.1	12.633 537	+ 11 14	+ 14 12	730
3061	8.2 A0	23 55.68	4.5631 608	55 7 57.9	12.626 523	+ 11 14	- 48 12	797
3063	7.8 A0	24 10.53	+4.8239 +752	59 18 34.0	+12.609 -553	+ 19 ± 16	- 7 ± 13	672
3064	8.8 K5	24 11.22	4.6439 650	56 30 49.0	12.608 532	- 1 12	- 9 10	820
3065	7.7 K0	24 13.21	4.6073 630	55 53 15.1	12.605 528	- 21 14	+ 19 12	798
3067	8.7 A0	24 16.50	4.5952 623	55 40 18.5	12.602 527	- 18 13	- 6 11	799
3070	8.8 K5	24 34.73	4.8005 736	58 56 3.5	12.581 551	+ 4 15	+ 22 13	621
3071	9.0 B	24 38.15	+4.7531 +708	58 13 14.8	+12.577 -545	+ 19 ± 17	- 18 ± 15	622
3072	8.2 B8	24 42.83	4.7497 706	58 9 40.5	12.572 545	+ 17 13	- 13 11	623
3076	9.0 K2	25 7.61	4.8198 744	59 10 0.8	12.544 554	- 2 16	- 22 13	676
3078	8.0 B8	25 20.83	4.8169 741	59 6 20.4	12.529 554	+ 36 16	- 23 13	677
3083	8.9 F5	25 57.85	4.7086 676	57 24 25.7	12.487 543	+ 7 14	- 18 12	731
3084	8.6 B9	26 20.43	+4.8337 +745	59 15 35.3	+12.461 -558	- 10 ± 13	- 5 ± 11	680
3088	7.2 B8	26 42.70	4.5965 612	55 28 1.8	12.436 531	+ 49 13	+ 2 10	801
3090	9.4 F5	27 7.38	4.6565 642	56 27 18.2	12.407 538	+ 20 12	- 47 11	823
3094	8.4 K2	27 23.38	4.7713 703	58 15 5.0	12.389 553	+ 30 14	- 24 12	628
3095	8.8 A3	27 35.55	4.8409 741	59 15 13.6	12.375 561	+ 10 16	- 22 13	683
3098	6.8 B0	27 57.76	+4.6531 +635	56 19 21.2	+12.349 -540	- 15 ± 12	+ 5 ± 10	824
3099	9.1 B8	28 6.70	4.6762 647	56 41 34.3	12.339 543	+ 2 14	+ 16 12	825
3101	8.9 F	28 25.80	4.7138 666	57 16 15.1	12.317 548	+ 45 14	+ 41 12	734
3103	6.6 B9	28 31.16	4.6679 640	56 31 4.9	12.311 543	+ 19 14	- 42 12	826
3104	8.4 B9	28 37.17	4.8411 735	59 10 9.6	12.304 562	+ 12 15	- 27 13	685
3106	9.3 M0	28 55.57	+4.8235 +723	58 53 21.5	+12.283 -561	+ 15 ± 14	- 45 ± 12	630
3113	7.8 K0	29 13.92	4.8227 721	58 51 7.4	12.262 562	+ 32 14	+ 9 12	631
3116	7.0 K0	29 22.73	4.8361 728	59 1 56.6	12.251 563	- 6 15	+ 2 13	-632
3117	8.3 G0	29 27.87	4.8314 724	58 57 28.2	12.245 563	- 24 15	- 32 13	633
3118	9.2 A7	29 37.22	4.7627 686	57 55 33.0	12.234 556	- 40 14	- 7 12	—
3119	9.1 A	29 37.33	+4.8975 +761	59 52 14.0	+12.234 -571	- 28 ± 15	+ 16 ± 13	688
3120	9.1 G0	29 37.53	4.8078 710	58 36 4.7	12.234 561	- 5 15	- 36 13	634
3121	9.0 K7	29 42.14	4.7077 655	57 3 39.3	12.229 549	- 11 12	- 7 10	-829
3123	7.0 A2	29 59.93	4.6430 620	55 58 16.3	12.209 543	+ 8 13	+ 7 10	803
3125	8.5 A7	30 11.82	4.6077 601	55 20 48.5	12.195 539	0 14	+ 10 12	804
3126	9.0 F2	30 12.34	+4.7637 +683	57 53 25.8	+12.194 -557	- 47 ± 14	- 22 ± 12	736
3127	8.4 A2	30 13.02	4.6148 604	55 28 5.1	12.193 540	+ 16 14	- 42 12	805
3129	9.5 A0	30 20.43	4.8810 747	59 35 0.2	12.185 570	- 1 15	- 9 13	692
3130	9.5 A	30 26.31	4.8958 755	59 46 44.1	12.178 572	+ 5 18	+ 2 15	693
3131	8.9 K2	30 28.77	4.8909 752	59 42 29.2	12.175 572	- 10 13	- 6 11	694

3021 = BDS 1704:9.2,11.4,5". 3022 = PGC 786.

Epochs: Stars 3018 to 3022, 1916.34; stars 3024 to 3131, 1916.30

3h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
3136	9.3 G5	30 50.75	+4.5936 +590	55 2 26.2	+12.150 -538	+.035 ± 14	+.002 ± 12	-701
3140	6.4 F0	31 5.61	4.8052 700	58 26 15.7	12.132 563	+ 34 15	- 81 13	637
3147	9.0 A	31 32.39	4.6986 640	56 45 16.2	12.101 551	0 14	+ 13 12	830
3148	9.0 F0	31 34.90	4.6843 633	56 31 6.2	12.098 550	- 4 14	- 25 12	831
3149	8.3 K0	31 47.18	4.7215 651	57 5 57.5	12.084 554	- 30 14	+ 8 12	737
3151	9.0 B8	31 57.24	+4.8036 +694	58 20 31.0	+12.072 -565	- 16 ± 15	- 29 ± 13	638
3152*	6.2 K0	32 25.64	4.8921 740	59 33 51.0	12.039 575	+ 14 15	- 12 13	699
3153	8.8 A	32 29.78	4.8934 741	59 34 36.2	12.034 576	- 28 15	+ 7 13	700
3154	8.4 A0	32 38.53	4.6627 616	56 4 9.5	12.024 549	- 4 14	- 10 12	835
3155*	9.2 A0	32 40.92	4.8649 723	59 9 52.7	12.021 573	- 38 15	- 22 13	702
3156	9.2 K7	32 44.10	+4.6267 +598	55 27 6.6	+12.018 -546	+ 38 ± 13	+ 8 ± 10	811
3157	8.7 K5	32 44.70	4.6152 592	55 15 5.5	12.017 544	- 52 14	+ 19 12	812
3160	8.0 B8	33 3.84	4.7324 650	57 9 41.2	11.994 558	- 2 14	+ 12 12	739
3161	7.9 G5	33 6.93	4.6611 613	56 0 5.0	11.991 550	+ 65 12	- 16 11	-815
3163	8.5 A	33 15.11	4.6100 587	55 6 59.7	11.981 544			816
3164	8.7 A0	33 35.81	+4.8668 +719	59 6 59.9	+11.957 -575	+ 7 ± 15	- 24 ± 13	703
3168	8.2 G0	34 58.99	4.9360 749	59 57 8.2	11.859 586	- 57 15	0 13	708
3170	8.0 A0	35 29.74	4.6608 601	55 47 29.4	11.823 554	+ 10 13	- 36 10	820
3171	8.4 F5	35 36.07	4.8325 689	58 27 39.2	11.816 575	- 36 15	-127 13	646
3173	8.5 F8	35 45.62	4.7667 653	57 28 13.4	11.805 567	+ 37 13	+131 11	740
3174	9.0 K2	35 47.20	+4.7966 +669	57 55 8.7	+11.803 -570	+ 3 ± 14	+ 12 ± 12	741
3175	9.3 F	35 50.03	4.7955 668	57 53 55.0	11.799 570	+ 8 14	- 9 12	—
3176*	9.1 A	35 52.40	4.7482 643	57 10 23.7	11.796 565	- 19 14	- 16 12	742
3177	9.5 G5	36 2.13	4.9304 739	59 47 36.8	11.785 587	- 6 15	- 18 13	711
3178	9.3	36 4.32	4.9305 739	59 47 32.0	11.783 587	+ 21 15	- 65 13	
3179	9.3 B8	36 5.52	+4.8340 +687	58 26 39.2	+11.781 -576	- 53 ± 15	- 24 ± 13	648
3180	9.3 B3	36 19.43	4.7474 640	57 7 26.8	11.765 566	+ 13 14	- 9 12	744
3182	8.3 F8	36 21.16	4.6756 604	55 57 57.4	11.763 558	- 10 14	- 38 12	821
3183	9.0 F	36 24.52	4.9043 722	59 24 35.6	11.759 584	+ 9 15	- 49 13	713
3185	8.7 A0	36 40.73	4.6735 601	55 54 17.0	11.739 558	- 3 12	- 7 10	822
3187	8.7 K0	36 46.20	+4.8462 +689	58 33 59.1	+11.733 -578	+ 22 ± 15	- 30 ± 13	650
3188	8.6 K5	36 46.36	4.7352 632	56 53 42.7	11.733 565	- 17 14	- 35 12	838
3189	9.3 B8	36 49.60	4.6742 601	55 54 12.6	11.729 558	+ 15 11	- 10 10	—
3190	8.8 G5	36 50.61	4.6899 608	56 9 41.6	11.728 560	+ 40 14	- 29 12	839
3192	9.3 A0	36 52.82	4.7642 646	57 20 21.7	11.726 568			745
3195	6.3 B9	37 45.40	+4.6565 +588	55 31 48.9	+11.663 -558	+ 53 ± 14	- 9 ± 12	824
3196	9.2 K7	37 45.88	4.8510 686	58 33 23.2	11.662 581	- 10 15	- 21 13	652
3199	9.4 A7	37 59.95	4.7323 624	56 44 52.8	11.646 567	- 9 14	0 12	843
3203	9.4 A	38 11.69	4.8796 698	58 55 37.7	11.632 585	- 10 15	- 10 13	653
3204	8.6 G5	38 27.47	4.7750 643	57 22 37.3	11.614 573	+117 14	+ 3 12	747
3205	8.5 G5	38 31.19	+4.6711 +591	55 42 39.0	+11.608 -560	- 24 ± 12	- 1 ± 10	826
3208	8.5 B8	38 44.60	4.7287 618	56 37 51.2	11.593 568	+ 12 14	- 13 12	845
3212	9.3 K7	39 6.86	4.8570 681	58 32 6.0	11.566 583	+ 10 15	- 32 13	656
3213	8.4 A0	39 15.76	4.6609 582	55 28 46.9	11.555 561	+ 3 13	+ 6 10	827
3215	6.5 B9	39 22.57	4.7382 620	56 43 49.8	11.548 570	+ 31 14	- 28 12	846
3216	8.7 G0	39 23.42	+4.8479 +675	58 22 54.4	+11.546 -583	+ 33 ± 15	- 69 ± 13	657
3217	8.3 G5	39 26.55	4.9747 742	60 6 52.6	11.543 598	- 1 16	- 14 14	749
3219	7.1 A0	39 29.40	4.7391 619	56 44 5.2	11.539 570	+ 32 14	- 25 12	847
3225	8.4	40 31.42	4.9834 739	60 8 47.5	11.465 601	+ 1 16	- 22 14	753
3233	8.1 F5	41 10.90	4.6400 563	54 57 57.3	11.418 561	+ 37 14	- 76 12	715

3152 = PGC 832.
3176 = BDS 12955: 9.7, 10.0, 0″.2.

3155 = BDS 12951: 9.9, 10.1, 0″.3.
Epoch of observation, 1916.30

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
3234	9.1 F2	41 13.41	+4.6852 + 584	55 43 30.0	+ 11.415 - 566	+.084 ± 14	-.062 ± 12	828
3237	9.0 G0	41 18.18	4.7952 637	57 27 19.4	11.409 581	- 29 14	- 7 12	749
3239	7.2 K0	41 32.65	4.9745 728	59 57 14.3	11.391 602	- 44 15	+ 3 13	724
3241	9.5 F2	41 48.59	4.9675 723	59 50 33.1	11.373 602	+ 5 14	- 24 12	727
3244	9.0 F5	42 14.10	4.9241 697	59 13 51.4	11.342 598	+ 30 15	- 13 13	728
3246	9.1 F8	42 27.58	+4.7576 + 613	56 47 22.2	+ 11.326 - 577	+ 59 ± 14	- 36 ± 12	853
3252	9.1 F5	43 9.44	4.6777 571	55 26 45.7	11.275 569	+ 7 12	+ 22 10	832
3254*	6.0 A0	43 35.59	4.8167 635	57 36 0.3	11.244 587	+ 83 12	- 74 11	752
3255	8.6 K5	43 37.43	4.9878 722	59 58 23.5	11.242 607	+ 32 15	- 9 13	731
3256	8.6 K2	44 8.58	4.8661 657	58 16 39.0	11.204 593	- 23 13	- 13 11	663
3257	9.0 G5	44 16.60	+4.7910 + 619	57 9 41.8	+ 11.194 - 585	- 38 ± 14	+ 28 ± 12	753
3259	8.9 A0	44 23.27	4.9807 713	59 49 29.7	11.186 607	- 7 15	- 12 13	732
3262	9.3 G5	44 51.22	4.9042 672	58 45 40.2	11.152 599	- 27 15	- 26 13	664
3263	8.0 A3	44 52.62	4.7879 614	57 4 5.4	11.151 585	+ 29 11	- 36 10	- 855
3264	9.0 K0	44 55.38	4.8396 639	57 50 11.6	11.147 592	+ 23 14	- 61 12	755
3266	9.1 G0	44 59.14	+4.8899 + 664	58 33 4.7	+ 11.142 - 598	- 54 ± 15	- 50 ± 13	665
3269*	8.3 G5	45 28.46	4.7308 584	56 7 56.2	11.107 579	+ 31 14	- 32 12	856
3272	7.0 A5	45 46.81	4.7586 596	56 32 52.3	11.085 583	+ 24 14	- 16 12	857
3273	8.7 Mb	45 51.93	4.8084 619	57 18 9.2	11.078 589	- 41 15	- 39 13	756
3274	7.2 G0	45 50.99	4.9466 687	59 15 60.2	11.078 606	- 281 15	+ 135 13	736
3275	9.0 A0	46 2.88	+4.7590 + 595	56 32 1.4	+ 11.065 - 583	+ 9 ± 14	+ 5 ± 12	858
3276	8.6 G5	46 5.73	4.8259 626	57 32 47.9	11.062 591	+ 13 15	- 29 13	757
3280	8.6 K7	46 34.08	4.8187 620	57 24 15.4	11.027 592	- 37 15	- 24 13	758
3281	9.5 G5	46 37.50	4.9703 694	59 31 31.9	11.024 610	+ 126 15	- 121 13	737
3282	9.0 K5	46 37.71	4.8670 643	58 6 20.6	11.023 598	- 23 15	- 18 13	670
3284	9.2 A0	47 7.67	+4.9526 + 682	59 15 15.4	+ 10.986 - 609	+ 15 ± 15	- 22 ± 13	739
3286	8.9 G0	47 9.66	4.7006 562	55 30 50.4	10.984 578	- 5 14	+ 27 12	836
3289	8.5 F8	48 13.29	4.8857 643	58 15 17.2	10.906 603	+ 72 15	- 48 13	672
3290	8.8 K7	48 28.18	4.7774 590	56 38 15.6	10.888 590	- 25 14	+ 44 12	862
3292	8.0 A0	48 44.02	4.8082 604	57 5 15.7	10.869 594	+ 25 14	- 21 12	760
3293	8.7 K2	49 8.10	+4.8465 + 619	57 37 29.1	+ 10.838 - 599	- 67 ± 14	- 26 ± 12	761
3295	8.8 G5	49 12.75	4.7536 576	56 12 42.1	10.834 588	+ 69 14	- 6 12	865
3296	8.8 F5	49 29.43	4.8827 634	58 7 14.9	10.813 604	- 20 15	- 61 13	676
3298	8.9 F0	49 58.85	4.9620 670	59 10 39.9	10.777 615	- 6 15	- 61 13	743
3300	8.9 F5	50 2.40	4.8439 613	57 31 19.5	10.772 600	+ 18 14	- 32 12	762
3302	9.5	50 13.13	+4.9448 + 660	58 55 48.2	+ 10.759 - 613	+ 32 ± 13	- 7 ± 11	678
3306	9.1 B9	50 18.31	4.7500 569	56 4 23.7	10.753 589	+ 33 14	- 16 12	867
3308	8.7 A0	50 20.16	4.9451 659	58 55 33.4	10.750 613	- 34 13	- 17 11	679
3309	9.0 B3	50 21.43	4.7802 582	56 32 30.2	10.749 593	+ 35 14	+ 6 12	868
3311	8.9	50 42.39	5.0371 702	60 6 3.3	10.723 625	+ 32 13	- 51 11	772
3314	7.4 A0	51 25.73	+4.7306 + 554	55 40 56.1	+ 10.670 - 588	+ 2 ± 14	0 ± 12	839
3317	9.0 K7	51 42.56	4.8549 609	57 33 51.3	10.649 604	- 19 15	+ 9 13	765
3318	8.7 G5	51 45.37	4.7407 557	55 49 14.0	10.645 590	+ 22 14	+ 5 12	840
3323	7.6 B3	52 22.61	4.9312 641	58 35 41.8	10.599 615	+ 11 15	- 7 13	685
3324	9.2 B9	52 23.41	4.9434 646	58 45 33.2	10.598 617	- 6 15	- 16 13	684
3325	9.3 A7	52 26.11	+4.7553 + 560	56 0 7.8	+ 10.595 - 593	+ 1 ± 14	0 ± 12	- 842
3326	8.0 K0	52 31.85	4.9303 639	58 34 13.8	10.588 615	- 24 15	- 13 13	687
3327	8.0 K0	52 40.41	4.7583 560	56 1 54.2	10.577 594	+ 31 14	- 23 12	- 843
3328	9.1 F0	52 43.04	4.9676 656	59 3 43.4	10.574 620	- 11 15	- 64 13	747
3330	7.9 F2	52 57.67	4.7513 556	55 54 3.8	10.556 594	+ 50 14	- 61 12	844

3254 = PGC 887. 3269 = BDS 1917: 8.4, 11.0, 1". Epoch, 1916.30

$3^h - 4^h$

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
			m s	s	° ' "	"	"	"	
3331	9.4	A0	53 1.34	+4.8777 +612	57 47 58.6	+10.551 -609	-.011 ±15	-.042 ±13	767
3333	8.6	A0	53 9.40	4.8256 588	57 1 50.2	10.541 603	- 9 13	+ 30 11	-872
3334	8.9	B5	53 15.08	4.7709 563	56 11 16.2	10.534 597	- 26 14	- 6 12	873
3335	9.1	K7	53 17.56	4.8733 609	57 43 8.0	10.531 609	+ 5 13	- 10 11	768
3336	8.0	A0	53 18.45	4.8488 597	57 21 42.0	10.530 606	- 26 15	- 7 13	769
3339*	4.8	F0	54 3.11	+4.9552 +642	58 48 20.3	+10.475 -620	+ 29 ±15	- 19 ±13	690
3340	9.4		54 5.42	4.9541 642	58 47 18.8	10.472 620	- 9 15	- 35 13	691
3342	8.7	B	54 27.70	4.7426 545	55 39 21.2	10.444 595	+ 2 14	- 28 12	845
3345	7.6	G5	54 36.03	4.7904 565	56 23 38.5	10.434 601	+ 23 13	- 93 14	875
3346	8.0	K2	54 38.60	4.9220 623	58 18 40.9	10.430 618	- 6 15	- 16 13	694
3349	9.2	A3	54 53.97	+4.7888 +562	56 21 2.4	+10.412 -602	+ 64 ±14	+ 44 ±12	876
3359	8.7	K0	55 35.72	4.8204 573	56 46 50.9	10.359 606	- 14 14	- 13 12	877
3363	8.0	K0	55 46.22	4.9744 641	58 56 50.7	10.346 626	- 23 15	- 4 13	698
3364	8.7	F0	55 57.35	4.9736 640	58 55 27.7	10.332 620	- 26 15	- 60 13	699
3371	8.7	A2	56 56.30	5.0463 668	59 48 7.4	10.258 637	- 22 15	- 33 13	753
3374	7.3	K0	57 6.50	+4.8022 +557	56 23 59.2	+10.246 -606	+ 102 ±14	- 195 ±12	879
3377	9.2	K0	57 17.89	5.0038 646	59 14 1.7	10.231 632	+ 23 15	- 83 13	754
3379	9.0	G0	57 19.24	4.8431 573	57 0 6.3	10.229 612	- 41 13	+ 12 11	-880
3380	9.2	G5	57 24.49	5.0212 653	59 27 11.0	10.223 634	- 13 15	- 5 13	755
3385	9.4	A0	58 7.24	4.8861 588	57 34 22.9	10.169 618	+ 16 14	+ 11 12	775
3386	8.4	K5	58 16.88	+4.8161 +557	56 31 58.3	+10.157 -610	- 71 ±14	+ 8 ±12	881
3388	9.2	G5	58 41.21	5.0467 657	59 41 41.5	10.127 639	+ 19 15	- 66 13	—
3389	5.8	K0	58 53.12	5.0379 652	59 34 16.6	10.111 639	- 17 15	- 9 13	759
3390	9.2	K0	59 0.37	4.8383 563	56 49 2.8	10.103 614	+ 37 16	- 7 11	883
3391	7.3	F0	59 3.13	4.9369 605	58 13 25.1	10.099 626	- 30 15	- 35 13	708
3394	8.0	B0	59 14.68	+4.8352 +560	56 45 16.9	+10.084 -614	- 42 ±14	+ 11 ±12	884
3395	8.3	K5	59 25.48	4.7925 541	56 5 43.8	10.071 608	+ 26 14	- 52 12	885
3397	9.2	A0	59 32.24	4.9320 600	58 7 28.5	10.062 626	- 19 15	- 13 13	709
3400	8.9	K5	59 48.00	5.0077 632	59 7 23.7	10.042 637	+ 27 15	- 28 13	762
3403	9.5		59 58.87	4.7660 527	55 38 44.3	10.028 606	- 20 14	+ 55 12	849
3404	8.9	K0	0 5.36	+5.0807 +664	60 1 57.5	+10.021 -646	+ 47 ±16	+ 18 ±14	-764
3405	8.6	A0	0 27.28	5.0672 655	59 50 27.9	9.992 645	- 16 15	- 22 13	766
3406	8.6	K2	0 28.81	5.0852 663	60 3 47.5	9.991 648	+ 17 16	+ 23 14	-765
3408	7.7	A0	0 43.82	5.0613 651	59 45 1.6	9.972 645	+ 14 15	- 7 13	767
3410	8.7	A2	0 47.36	4.8459 556	56 48 42.8	9.967 618	+ 33 13	+ 31 11	888
3412	8.8	A2	1 11.32	+4.7627 +520	55 30 41.8	+ 9.937 -608	- 28 ±14	- 10 ±12	851
3414	7.9	K5	1 14.70	4.7672 522	55 34 45.1	9.933 608	+ 5 14	- 7 12	852
3415	8.5	G0	1 30.29	4.9643 603	58 26 23.7	9.912 634	- 49 15	+ 34 13	715
3417	8.8	A7	1 54.57	4.9229 583	57 50 44.3	9.882 630	+ 32 14	+ 16 12	780
3418	8.1	A0	2 1.15	5.0181 624	59 7 10.7	9.874 641	+ 21 16	- 33 13	769
3419	9.1	A0	2 2.25	+5.0754 +649	59 50 47.1	+ 9.873 -648	+ 43 ±15	+ 5 ±13	770
3420	9.4	F8	2 28.78	4.9228 580	57 48 27.6	9.839 630	- 16 17	- 62 15	782
3421	8.8	G5	2 30.98	5.0197 621	59 6 29.8	9.836 642	+ 44 16	- 105 13	771
3422	9.1	G5	2 50.61	4.8493 547	56 43 40.3	9.811 621	- 36 13	+ 3 11	891
3423	9.2	A0	2 56.46	5.0387 627	59 19 37.6	9.803 645	- 29 16	- 23 14	772
3424	9.0	F0	3 4.77	+4.8589 +550	56 51 19.7	+ 9.793 -623	- 24 ±13	+ 5 ±11	892
3425	8.8	K2	3 9.49	4.8159 532	56 12 26.2	9.787 617	+ 32 14	- 16 12	893
3426	9.0	G0	3 19.10	4.8324 538	56 26 44.0	9.775 621	+ 20 14	- 51 12	894
3427	9.4	A3	3 22.62	4.9978 607	58 46 12.6	9.770 641	- 2 15	0 13	718
3428	9.1	G0	3 26.68	4.8023 525	55 58 50.8	9.765 616	- 11 14	- 31 12	855

3339 = PGC 924.

Epoch of observation, 1916.30

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	in Decl	BD No
		m s	s	° ' "	"	"	"	
3429	8.8 A2	3 29.84	+4.7681 + 511	55 26 43.4	+9.761 - 612	+.021 ± 15	-.014 ± 13	856
3430	9.0 K2	3 43.60	5.0557 630	59 29 43.8	9.744 648	+ 40 15	- 50 13	774
3432	9.0 A0	3 58.64	4.7691 509	55 25 50.6	9.724 612	+ 23 14	- 18 12	857
3433	8.8 K0	4 6.07	4.7769 512	55 32 39.1	9.715 613	- 14 13	- 4 11	858
3434	6.0 A2	4 46.97	4.8858 552	57 8 19.8	9.662 629	- 27 14	+ 22 12	785
3435	8.4 K0	5 5.69	+4.9638 + 583	58 12 24.4	+9.640 - 639	+ 165 ± 15	- 229 ± 13	724
3436	8.6 B8	5 19.64	5.0734 628	59 37 17.2	9.621 653	+ 16 15	+ 6 13	779
3438	8.9 A	5 40.40	5.0494 616	59 17 53.5	9.594 651	+ 2 15	0 13	780
3440	8.7 A2	6 8.98	5.1093 638	60 0 53.6	9.557 659	- 13 13	- 19 11	- 781
3447	8.2 M0	6 40.44	4.8792 539	56 55 29.4	9.517 631	- 1 14	- 10 12	898
3449*	6.6 K0	6 48.28	+4.9233 + 556	57 32 43.0	+9.507 - 636	+ 19 ± 14	- 50 ± 12	787
3452	6.9 B8	7 7.70	4.8769 536	56 51 48.2	9.482 631	- 30 14	- 17 12	899
3453	9.0 A0	7 8.03	5.1210 637	60 5 57.9	9.482 662	+ 17 16	- 50 14	790
3454	8.4 F5	7 9.40	5.0171 593	58 47 38.5	9.480 649	+ 8 15	- 13 13	726
3456	9.2	7 11.16	4.8793 536	56 53 30.7	9.478 631	+ 34 14	- 319 12	—
3457*	7.1 A0	7 27.32	+4.9944 + 582	58 28 36.5	+9.457 - 647	- 1 ± 15	+ 5 ± 13	727
3458	9.2 F5	7 30.22	4.7618 489	55 5 23.7	9.453 617	- 2 13	- 38 11	863
3459	9.1 G0	7 35.81	5.0184 591	58 47 3.7	9.446 650	- 10 15	- 2 13	728
3466	9.0 G5	8 19.89	4.8139 505	55 51 42.3	9.389 625	+ 38 16	+ 23 13	864
3471	9.2 A0	9 6.74	4.7779 488	55 14 39.3	9.329 621	- 10 13	- 2 11	865
3472	9.4 A2	9 27.12	+4.9901 + 569	58 18 8.3	+9.303 - 649	+ 34 ± 15	- 14 ± 13	732
3474	8.5 F8	9 45.81	5.0621 596	59 13 8.3	9.279 659	+ 40 15	- 82 13	785
3475	8.8 M0	9 54.11	4.9910 567	58 17 14.5	9.268 650	+ 33 15	- 39 13	734
3476	9.0 G5	10 11.74	5.1156 616	59 51 34.1	9.245 666	+ 56 15	- 98 13	786
3482	8.5 A0	10 35.76	5.0961 605	59 35 48.9	9.214 664	+ 6 15	- 55 13	789
3483	9.0 K2	10 40.00	+4.9355 + 540	57 29 12.9	+9.208 - 644	+ 17 ± 14	+ 62 ± 12	791
3484	8.0 K5	10 40.62	4.8197 496	55 47 48.6	9.208 628	+ 18 14	- 19 12	867
3486	9.0 K7	10 49.72	5.0846 599	59 26 31.1	9.196 663	+ 58 15	- 17 13	790
3487	7.8 K0	10 52.21	4.8612 510	56 24 25.8	9.192 635	+ 14 14	- 13 12	904
3490	8.0 A3	11 1.70	4.7841 481	55 13 34.3	9.180 624	+ 33 14	+ 6 12	868
3491	8.1 A0	11 5.73	+4.7828 + 480	55 12 1.7	+9.175 - 624	+ 24 ± 14	- 5 12	869
3492	9.0 A5	11 12.30	4.9346 537	57 26 28.3	9.166 644	- 4 14	+ 11 12	792
3493	9.2 G0	11 35.75	4.7711 473	54 59 6.9	9.136 623	+ 76 14	- 61 12	762
3494	8.6 M0	11 35.67	5.1302 613	59 57 28.4	9.136 670	- 13 15	- 7 13	791
3496	6.5 A2	11 41.92	4.8507 502	56 12 11.8	9.128 634	+ 3 14	- 5 12	905
3497	9.4	11 50.07	+4.9023 + 521	56 56 53.1	+9.117 - 641	- 9 ± 13	+ 21 ± 11	906
3498	9.0 A2	11 53.41	4.9668 546	57 50 45.1	9.113 649	+ 29 15	- 2 13	794
3499	8.2 F5	11 55.03	4.9065 522	57 0 14.4	9.111 641	+ 72 13	- 42 11	- 907
3503	9.0 A0	12 6.02	4.8547 502	56 14 20.0	9.097 635	+ 63 14	- 24 12	909
3504	6.7 A0	12 18.09	5.0812 589	59 18 59.7	9.081 665	+ 45 15	- 51 13	793
3505	9.1	12 21.68	+5.0818 + 589	59 19 16.4	+9.077 - 665	+ 52 ± 15	- 45 ± 13	—
3509	9.0 A0	12 27.22	4.9160 523	57 6 29.3	9.069 643	+ 10 15	0 13	795
3510	7.5 A5	12 53.69	5.0933 590	59 26 1.7	9.035 667	+ 6 15	- 50 13	795
3513	8.7 A0	13 12.74	4.9983 550	58 11 41.4	9.010 655	+ 40 15	- 57 13	737
3514	9.1 K5	13 15.85	5.1413 607	59 59 58.3	9.006 673	+ 8 15	- 15 13	796
3517	8.8 K0	13 19.65	+4.8061 + 478	55 25 53.2	+9.001 - 630	+ 14 ± 14	+ 15 ± 12	872
3519	8.9 K0	13 44.93	5.1087 591	59 34 40.4	8.968 670	- 24 15	- 15 13	798
3520	9.2 A5	13 55.00	4.8147 478	55 31 43.8	8.955 632	- 8 14	- 6 12	873
3522	8.5 K2	14 12.85	4.8267 481	55 41 42.9	8.932 634	+ 49 14	- 7 12	874
3525	8.1 A2	14 27.54	5.0117 549	58 18 13.0	8.912 659	+ 5 15	- 30 13	738

3449 = PGC 973. 3457 = BDS 2088: 7.6, 8.1, 0".3. Epoch, 1916.30

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ′ ″	″		″		″		
3526	9.3	A3	14 38.48	+5.0339	+556	58 35 1.1	+8.898	-662	+.017	±15	-.024	±13	739
3527	9.0	G5	14 43.77	4.8883	501	56 34 47.2	8.892	643	+ 81	12	- 15	10	915
3528	8.7	F8	14 56.49	4.8360	481	55 47 37.8	8.874	636	+ 11	14	+ 38	12	877
3529	9.3	F8	14 56.94	4.8210	475	55 33 57.4	8.874	634	+ 37	14	- 37	12	876
3530	9.4		15 4.45	4.8369	480	55 48 1.6	8.864	636	+ 14	14	+ 5	12	879
3533*	8.5	F0	15 11.73	+4.8564	+487	56 5 7.1	+8.854	-639	- 8	±14	- 23	±12	916
3535	8.7	K5	15 27.40	4.9964	537	58 2 39.6	8.834	658	+ 2	14	- 31	12	741
3536	8.5	G5	15 34.83	4.9356	514	57 12 16.6	8.824	650	- 31	15	- 93	13	797
3538	9.2	F	15 59.50	5.0727	564	59 0 28.6	8.792	669	+ 9	15	- 16	13	-743
3539	8.9	M1	16 8.06	5.0993	573	59 19 59.2	8.781	672	- 5	15	- 17	13	800
3541	9.5		16 14.29	+5.0283	+545	58 25 25.6	+8.773	-663	+ 33	±15	- 16	±13	744
3542	8.3	F8	16 22.20	4.9933	531	57 57 8.0	8.762	659	- 29	14	- 60	12	798
3544	6.3	A0	16 38.73	4.9463	512	57 17 47.5	8.746	653	+ 4	13	- 23	11	800
3545*	7.1	F0	16 41.19	4.8137	464	55 21 15.6	8.737	636	- 10	13	- 9	11	881
3548	9.3	G5	17 5.77	4.9461	509	57 16 10.2	8.705	654	+ 31	13	+ 15	11	801
3549	9.1	A2	17 8.23	+5.0815	+560	59 3 29.0	+8.702	-671	+ 45	±16	- 15	±13	801
3550	8.3	K5	17 32.06	4.8523	474	55 53 33.6	8.670	642	+ 2	14	- 18	12	882
3551	9.4		18 12.10	5.0895	557	59 6 6.8	8.618	674	+ 32	16	- 27	13	804
3552	8.6	K0	18 15.15	4.8681	476	56 5 14.9	8.614	645	+ 21	12	- 39	10	922
3553	8.8	K2	18 23.25	4.8717	476	56 8 2.8	8.604	645	+100	14	+ 80	12	923
3554	8.9	K0	18 26.81	+4.9506	+504	57 15 31.9	+8.598	-656	- 19	±14	+ 24	±12	803
3558	8.3	A	18 49.20	5.0252	529	58 14 40.6	8.569	666	+ 71	15	- 41	13	747
3559	8.7	A	18 50.91	5.0206	527	58 10 58.6	8.566	666	+ 2	15	- 31	13	748
3561	9.1	G0	19 8.25	4.9543	502	57 16 16.6	8.544	657	+ 95	14	- 91	12	804
3563	8.8	G5	19 19.72	5.0155	523	58 5 22.2	8.529	666	+ 53	15	- 78	13	750
3565	8.7	G0	19 25.23	+5.0628	+540	58 41 58.0	+8.521	-672	+ 17	±15	- 57	±13	751
3567	8.6	F5	19 26.99	5.0378	530	58 22 32.4	8.519	669	- 36	15	- 13	13	752
3570	8.7	K7	19 50.12	4.9224	486	56 47 16.8	8.488	654	+ 13	14	+ 11	12	925
3572	9.3	K5	20 5.25	5.1743	578	60 2 4.1	8.468	688	+ 13	16	- 38	14	-806
3574	8.8	G0	20 12.94	4.8817	470	56 10 48.5	8.458	649	- 40	12	+ 12	10	926
3576	8.2	Mb	20 19.53	+4.9488	+493	57 7 57.5	+8.449	-658	- 23	±15	- 43	±13	806
3579	8.6	A0	20 50.13	5.0809	538	58 51 24.1	8.409	676	- 2	13	- 8	11	753
3581	8.5	A5	21 19.07	5.0095	509	57 54 24.1	8.371	668	- 6	15	- 60	13	807
3583	8.8	G0	21 31.69	4.9221	478	56 41 33.7	8.354	656	+ 15	17	- 54	14	929
3584	8.5	F8	21 32.23	4.8480	453	55 36 36.0	8.354	646	+ 49	12	- 23	10	889
3586	8.0	K2	21 36.78	+4.9853	+499	57 33 57.9	+8.347	-665	+ 30	±15	- 21	±13	809
3588	8.6	K0	21 42.47	4.9401	483	56 56 15.7	8.340	659	+ 16	14	- 14	12	932
3589	9.4	F8	21 51.81	5.0141	508	57 56 22.5	8.327	669	- 7	17	- 26	15	810
3590	8.8	A	21 57.19	5.1455	555	59 35 52.7	8.320	687	+ 25	15	- 15	13	809
3591	9.0	A0	22 3.08	4.9247	476	56 42 11.7	8.313	657	+ 40	14	+ 17	12	934
3593	8.4	G0	22 13.32	+5.0231	+509	58 2 26.1	+8.298	-670	- 38	±15	+ 4	±13	-811
3594	8.9	K0	22 14.53	5.1836	568	60 2 13.4	8.297	692	- 15	15	- 15	13	-810
3595	9.0	G5	22 36.07	4.8327	442	55 19 15.3	8.269	646	+ 34	14	- 59	12	892
3598	8.4	F0	22 56.74	5.1175	539	59 12 26.5	8.241	684	+ 21	15	+ 14	13	811
3599	8.5	K5	22 59.40	5.0564	517	58 26 7.1	8.237	676	- 5	15	- 3	13	756
3603	7.6	F8	23 9.52	+4.8263	+437	55 11 35.1	+8.224	-646	- 37	±12	-127	±10	895
3606	9.3	A3	23 18.77	4.8501	444	55 32 52.2	8.212	649	+ 22	14	- 11	12	896
3608	8.8	G5	23 21.26	5.0701	520	58 35 32.1	8.208	678	+ 14	15	- 34	13	757
3609	8.7	A0	23 28.73	4.8513	444	55 33 24.8	8.198	649	+ 5	14	- 19	12	897
3610	8.5	A0	23 33.38	4.9128	464	56 27 19.0	8.192	657	+ 6	14	+ 6	12	937

3533 = BDS 12986: 9.0, 9.6, 0″.4.

3545 = BDS 2169: 7.4, 8.6, 1″.

Epochs: Stars 3526 to 3570, 1916.30; stars 3572 to 3610, 1915.81

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
3613	6.4 F0	24 40.51	+4.9668 +476	57 9 22.3	+8.103 -666	+.061 ± 15	-.102 ± 13	817
3615	9.1 G0	24 45.22	5.0241 496	57 55 35.9	8.097 674	+ 43 15	- 21 13	818
3616	8.8 F5	24 47.18	5.0566 506	58 20 55.0	8.094 678	+ 20 15	+ 6 13	758
3618	6.5 A0	24 59.66	5.1198 528	59 8 8.3	8.077 686	- 36 15	- 37 13	812
3619	8.5 A7	25 4.43	4.9249 460	56 32 59.7	8.071 661	- 21 14	+ 2 12	939
3620	9.2 F0	25 5.28	+4.9644 +473	57 6 13.7	+8.070 -666	+ 22 ± 15	- 22 ± 13	819
3622	9.2	25 11.60	4.9348 463	56 41 7.3	8.061 663	+ 26 17	+ 2 14	940
3625	8.4 K0	25 21.78	5.1141 524	59 2 48.2	8.048 686	+ 8 15	- 49 13	813
3626	8.1 K2	25 28.33	4.9610 470	57 2 12.5	8.039 668	+ 15 13	- 28 11	-941
3627	8.9 K5	25 48.30	4.9352 460	56 39 32.1	8.012 664	0 14	- 15 12	943
3628	8.4 K0	25 53.53	+4.8331 +427	55 9 20.0	+8.009 -650	+530 ± 14	-285 ± 12	900
3629	7.2 F8	25 52.44	4.8392 429	55 14 58.5	8.007 651	- 8 14	- 43 12	901
3632	8.3 G5	26 12.90	4.9676 468	57 5 29.9	7.980 668	+ 79 15	- 61 13	822
3635	8.9 A0	26 18.34	4.9035 447	56 10 55.1	7.972 660	- 26 13	+ 10 11	944
3638	7.6 A0	26 40.46	5.1840 540	59 49 47.6	7.942 697	- 6 15	+ 3 13	816
3643	8.4 G5	27 7.68	+5.1238 +516	59 4 56.8	+7.906 -690	+ 27 ± 15	0 ± 13	817
3645	8.9 K5	27 14.48	4.9294 451	56 30 25.4	7.897 664	- 3 14	+ 22 12	945
3646	9.2 K5	27 14.91	4.9053 443	56 9 37.6	7.897 661	+ 44 14	+ 12 12	946
3647	8.8 M0	27 26.27	4.9478 456	56 45 20.1	7.881 667	- 5 15	- 25 13	948
3649	8.7 A0	27 36.81	4.8858 435	55 51 31.0	7.867 659	- 24 14	- 6 12	904
3650	8.0 A0	27 40.79	+4.9555 +457	56 51 9.5	+7.861 -668	- 16 ± 14	+ 19 ± 12	949
3651	8.7 F2	27 41.15	4.9341 450	56 33 2.1	7.861 665	+ 10 14	- 30 12	950
3653	8.6 B8	27 59.18	5.0731 494	58 24 19.4	7.837 684	- 11 15	- 20 13	761
3654	9.4 G0	28 6.90	4.9935 467	57 21 11.0	7.827 674	+ 58 15	- 21 13	823
3658	8.2 G5	28 39.02	4.9255 442	56 22 57.6	7.784 666	+ 51 14	+ 38 12	954
3660	9.0 F5	28 48.03	+4.9255 +441	56 22 27.6	+7.771 -666	+ 26 ± 14	- 4 ± 12	955
3664	8.7 G0	29 21.06	5.0335 473	57 49 36.5	7.727 681	+ 43 15	- 86 13	826
3665	9.0 K0	29 44.87	4.8678 419	55 29 13.1	7.695 659	+ 8 14	- 28 12	908
3667	8.5 A0	30 16.43	4.9823 452	57 5 52.8	7.652 675	- 3 15	- 16 13	827
3668	7.0 B9	30 18.40	5.0219 464	57 37 44.8	7.650 681	+ 27 15	- 26 13	828
3669	8.9 G0	30 21.11	+4.9769 +450	57 1 10.7	+7.646 -674	- 21 ± 11	- 6 ± 9	-957
3670	9.3	30 21.35	4.9722 448	56 57 20.6	7.646 674	0 17	+ 8 14	958
3671	9.4	30 24.21	5.0215 463	57 37 11.8	7.642 681	+ 50 17	- 10 15	—
3672	8.8 K7	30 25.82	5.0062 458	57 24 52.4	7.640 678	- 12 15	- 13 13	829
3676	8.2 A0	30 36.00	5.0254 464	57 39 46.0	7.626 681	+ 67 15	- 35 13	830
3677	8.4 K2	30 37.67	+4.8792 +418	55 36 52.6	+7.624 -662	+ 2 ± 14	- 21 ± 12	911
3678	9.4 G	30 48.66	5.0621 475	58 7 59.0	7.609 686	+ 36 14	- 58 12	—
3681	8.8 B2	30 53.96	5.0263 462	57 39 39.2	7.602 682	+ 18 15	- 19 13	831
3682	9.0 K5	31 14.37	5.0618 472	58 6 35.6	7.574 687	- 6 15	- 14 13	765
3684	9.2 K2	31 32.90	4.9696 441	56 51 51.0	7.549 675	+ 26 17	+ 18 14	960
3686	9.2 G5	31 34.10	+4.9893 +447	57 7 58.9	+7.548 -677	+ 15 ± 15	- 19 ± 13	832
3688	8.2 A0	31 55.05	5.1078 483	58 39 48.6	7.519 695	+ 39 15	- 2 13	767
3689	9.1 K0	31 54.96	4.9560 435	56 39 23.2	7.519 674	- 41 14	- 6 12	961
3690	8.8 K2	31 56.46	5.1550 498	59 14 33.6	7.517 701	- 20 15	+ 2 13	825
3691	8.4 K5	32 10.48	5.0706 470	58 10 51.9	7.498 689	+ 11 15	+ 10 13	769
3692	8.7 A0	32 28.63	+4.9613 +434	56 42 17.2	+7.474 -675	- 4 ± 14	+ 13 ± 12	963
3693*	6.8 A3	32 29.10	5.1600 497	59 16 41.0	7.473 702	+ 31 15	- 48 13	826
3694	9.0 K2	32 30.69	5.0113 449	57 23 11.1	7.471 681	+ 14 15	- 12 13	833
3695*	8.0 F8	32 33.27	4.9798 439	56 57 24.9	7.467 678	- 12 13	+ 23 11	964
3696	9.3 A3	32 48.60	4.8748 406	55 26 45.0	7.447 664	- 9 14	- 22 12	916

3693 = BDS 13009: 7.6, 7.6, 0″.5. 3695 = BDS 13010: 8.8, 8.8, 0″.3. Epoch, 1915.81

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ' "	"		"		"		
3697	8.5	G0	32 52.43	+5.0621	+463	58 2 22.2	+7.442	-688	+.008	±14	+.003	±12	-834
3698	8.5	F5	32 58.48	5.0832	469	58 18 17.7	7.434	691	+ 55	15	- 49	13	770
3700	8.8	K5	33 4.13	5.1092	477	58 37 44.2	7.426	695	+ 16	15	- 16	13	771
3701	9.4		33 5.45	4.9461	426	56 27 49.2	7.424	673	+ 24	14	- 2	12	965
3706	9.2	G5	33 41.57	4.9825	434	56 56 33.2	7.375	679	+ 23	14	- 48	12	967
3707	9.2	A3	33 46.32	+4.8498	+394	55 1 32.6	+7.368	-661	- 21	±14	- 13	±12	-799
3708	8.5	B9	33 50.84	4.8681	399	55 17 50.1	7.362	664	- 6	15	- 33	13	917
3710	9.0	A0	34 4.77	5.1960	499	59 38 16.4	7.344	708	+ 10	15	0	13	827
3713	9.0	A0	34 19.87	5.0301	445	57 33 20.6	7.323	686	+ 13	15	0	13	836
3714	8.9	K0	34 24.09	5.2036	499	59 42 51.4	7.317	710	- 3	15	+ 2	13	828
3719	8.7	F0	34 36.45	+4.9055	+406	55 48 50.2	+7.300	-669	- 7	±13	- 26	±11	918
3720	7.8	F0	34 36.89	5.1977	496	59 38 4.6	7.300	709	- 15	15	- 35	13	829
3721	8.1	G5	34 53.83	5.0754	456	58 7 10.4	7.277	693	+ 54	15	-108	13	773
3723	9.3	K0	35 17.78	5.0740	453	58 5 10.6	7.244	693	+ 30	15	- 23	13	774
3724	8.2	F8	35 28.81	4.9896	426	56 57 31.3	7.230	682	+ 60	14	- 60	12	969
3726	9.3	A0	35 47.02	+4.8566	+386	55 2 14.2	+7.204	-664	- 30	±14	- 18	±12	-806
3727	8.9	A0	35 54.68	4.8499	384	54 55 50.1	7.194	663	+ 2	14	+ 9	12	807
3728	9.0	K2	35 55.27	5.2037	490	59 39 0.4	7.193	712	- 21	15	0	13	830
3729	7.1	K0	36 7.24	4.8833	392	55 25 14.8	7.177	668	- 16	14	- 30	12	922
3730	9.0	G5	36 10.25	5.2411	501	60 4 26.0	7.173	717	- 4	16	+ 33	13	836
3731	9.2	A0	36 14.93	+4.8581	+385	55 2 17.1	+7.167	-665	+ 27	±13	- 36	±11	-808
3732	9.0	K5	36 18.83	4.9497	410	56 22 11.1	7.161	677	- 29	14	+ 4	12	971
3734	8.7	M0	36 33.86	5.0389	435	57 34 26.5	7.141	690	+ 10	15	- 13	13	838
3735	9.0	A0	36 45.87	4.8575	382	55 0 21.4	7.125	666	+ 45	14	- 30	12	-812
3739	9.3		37 15.04	5.1564	467	59 1 51.6	7.085	707	+ 21	15	+ 11	13	—
3741*	9.2	K7	37 20.37	+5.0007	+420	57 1 48.0	+7.077	-685	+ 9	±14	+ 26	±12	-972
3742	9.1	A0	37 21.06	4.8834	386	55 21 59.4	7.077	670	+ 38	14	- 35	12	926
3744	7.5	A2	37 24.86	5.1553	466	59 0 39.2	7.071	706	- 1	15	- 10	13	-775
3746*	5.8	A2	37 36.16	4.9653	409	56 31 50.1	7.056	681					973
3747	8.1	K2	37 38.81	5.1775	471	59 16 9.4	7.052	710	+ 35	15	- 21	13	831
3748	8.0	F8	37 45.62	+4.9152	+394	55 48 48.3	+7.043	-674	+ 28	±15	- 84	±13	927
3750	6.1	F0	37 52.83	4.8856	385	55 22 31.1	7.034	670	+116	15	-126	13	928
3751	8.1	K0	37 59.24	5.0890	443	58 9 44.6	7.024	698	+ 17	15	- 66	13	777
3753	8.6	A0	38 19.04	4.8960	385	55 30 38.5	6.998	672	+ 68	14	- 32	12	932
3754	8.6	A0	38 20.64	5.1115	447	58 25 53.0	6.995	701	- 1	15	- 17	13	778
3755	8.5	K7	38 26.38	+4.8925	+384	55 27 13.8	+6.987	-671	+ 32	±14	+ 6	±12	933
3756	9.0	A5	38 27.11	5.0940	441	58 12 23.9	6.986	699	- 35	13	- 2	11	779
3758	9.2		38 29.60	5.0958	442	58 13 40.1	6.983	699	- 13	13	+ 18	11	780
3759	8.8	K5	38 49.15	5.1876	468	59 20 28.5	6.956	713	+ 5	15	- 30	13	832
3762	8.8	K5	39 32.08	4.8624	370	54 57 30.4	6.897	669	+ 1	14	+ 10	12	822
3763	8.5	K7	39 33.05	+4.9581	+396	56 20 53.9	+6.896	-682	+ 6	±14	- 33	±12	975
3767	7.7	F5	40 25.36	4.9579	392	56 18 30.8	6.824	683	+ 25	14	- 17	12	976
3768	9.2	A0	40 44.39	5.2005	460	59 25 1.5	6.798	716	- 17	15	+ 8	13	834
3769	9.2		40 49.57	5.0052	403	56 56 37.8	6.791	690	+ 29	15	- 55	13	—
3770	8.7	K7	40 53.95	5.0064	403	56 57 25.5	6.785	691	- 17	14	- 5	11	977
3771	8.3	G0	41 9.99	+4.9121	+376	55 37 17.5	+6.763	-677	+ 68	±14	-217	±12	936
3772	8.9	F8	41 13.95	5.1558	444	58 51 42.0	6.757	711	- 19	13	+ 3	11	782
3773	9.0	K0	41 17.37	4.8801	367	55 8 58.7	6.753	673	+ 16	14	+ 10	12	937
3774	8.9	F8	41 36.98	5.2384	466	59 49 27.9	6.726	723	+ 37	15	+ 46	13	837
3775	8.1	F5	41 42.18	4.9544	385	56 12 23.0	6.719	684	+ 24	14	- 79	12	980

3741 = BDS 13011: 9.4, 11.4, 2".

3746 = PGC 1117.

Epoch, 1915.81

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
3779	9.0 A	42 28.98	+4.9873 + 390	56 37 54.9	+ 6.654 - 689	-.003 ± 14	+.019 ± 12	981
3782	8.0 B9	43 30.88	5.1275 422	58 25 29.4	6.569 709	+ 21 14	0 12	785
3783*	8.6 A0	43 36.02	4.9336 370	55 50 4.9	6.562 683	- 25 14	- 1 12	938
3784	9.2 A5	43 46.62	4.9960 385	56 41 58.0	6.548 692	+ 16 14	- 14 12	982
3787	9.0 F0	44 29.85	5.2072 439	59 21 5.9	6.488 721	- 28 15	- 9 13	839
3789	9.3	44 30.62	+5.2689 + 457	60 3 40.0	+ 6.487 - 730	+ 36 ± 16	- 70 ± 14	846
3790	9.1 A5	44 30.80	4.8943 355	55 13 35.6	6.487 678	+ 3 14	- 3 12	939
3791	9.5	44 34.90	5.1064 411	58 7 11.2	6.481 707	+ 37 15	- 4 13	786
3792	8.2 K0	44 35.64	5.1473 422	58 37 38.1	6.480 713	+ 56 15	- 55 13	787
3793	9.0 K5	44 37.22	4.9147 360	55 31 14.3	6.478 681	- 11 14	- 56 12	940
3795*	5.7 A0	44 50.39	+4.8832 + 351	55 2 59.2	+ 6.460 - 677	+ 26 ± 14	- 29 ± 12	941
3796	9.3 K5	45 2.04	4.9857 376	56 30 32.7	6.444 691	+ 8 16	+ 1 14	983
3797	8.9 K7	45 11.03	4.9890 376	56 32 55.0	6.431 692	+ 2 13	- 4 10	985
3802	8.6 K7	45 35.82	4.9584 366	56 6 27.2	6.397 688	+ 18 14	+ 6 12	986
3804	8.6 K7	45 56.46	5.0952 400	57 55 31.4	6.368 707	- 21 14	- 24 12	845
3806	7.6 K0	46 13.08	+5.0936 + 398	57 53 40.8	+ 6.345 - 707	+ 8 ± 14	- 14 ± 12	846
3808	9.0 K0	46 14.27	4.9409 358	55 50 0.7	6.344 687	+ 10 14	- 33 12	944
3809	6.9 Ma	46 19.53	5.1764 420	58 55 0.0	6.336 719	- 5 15	- 32 13	788
3812	9.1 K2	46 30.19	4.9881 369	56 29 9.7	6.322 693	+ 49 16	+ 5 12	987
3813*	7.1 K5	46 31.23	4.9268 353	55 37 12.8	6.320 685	+ 13 13	- 71 11	945
3818	7.7 G5	47 37.25	+5.1393 + 402	58 24 56.9	+ 6.228 - 715	- 17 ± 15	- 53 ± 13	790
3819	9.2 A2	47 37.83	5.0372 376	57 6 24.7	6.228 701	- 28 14	- 2 12	847
3820	9.1 K2	48 25.23	4.9480 349	55 51 10.4	6.162 689	+ 24 13	+ 2 11	946
3821	9.3 A	48 26.95	5.1468 400	58 28 43.6	6.160 717	+ 40 15	- 15 13	791
3822	8.7 A2	48 37.69	4.9878 358	56 24 1.4	6.145 695	+ 86 14	- 54 12	989
3823	9.1 F2	48 44.17	+4.9115 + 339	55 18 56.5	+ 6.137 - 685	+ 155 ± 16	- 13 ± 12	947
3825	9.4 A	49 28.00	5.1492 394	58 28 21.5	6.075 719	- 14 15	- 5 13	794
3826	8.7 A0	49 37.52	5.0896 378	57 43 8.3	6.062 710	- 12 14	+ 19 12	849
3830	7.6 G5	50 20.11	5.1519 390	58 28 27.4	6.003 720	+ 23 15	- 51 13	796
3833	8.2 G5	50 43.94	4.9702 343	56 4 43.2	5.969 694	- 3 14	- 53 12	993
3834	8.6 A2	51 12.37	+5.1529 + 386	58 27 26.2	+ 5.930 - 720	+ 6 ± 15	- 29 ± 13	799
3835	8.3 G5	51 14.58	5.0347 356	56 56 36.0	5.927 704	+ 39 16	+ 28 12	994
3837	7.6 A3	51 25.61	4.9232 329	55 23 7.7	5.911 689	+ 7 14	- 36 12	952
3841	8.9 K5	52 6.13	5.0845 363	57 33 56.0	5.854 712	- 15 13	- 7 11	850
3844	9.2 A7	52 16.80	5.2499 404	59 34 21.4	5.840 735	+ 11 14	- 23 12	844
3846	9.0 F2	52 21.97	+4.9522 + 331	55 46 7.3	+ 5.833 - 694	+ 25 ± 14	+ 11 ± 12	954
3851	9.0 F5	52 57.52	5.2585 402	59 38 55.9	5.783 737	- 2 13	- 5 11	845
3852	9.1 F8	53 12.26	5.1746 380	58 39 12.6	5.763 725	+ 37 15	- 37 13	800
3853	9.1 F0	53 13.87	5.0068 339	56 29 49.6	5.760 702	+ 23 14	- 11 12	998
3854	9.2 K7	53 33.68	5.2652 400	59 42 19.9	5.733 738	+ 2 15	+ 12 13	—
3858	8.1 K0	53 53.39	+5.2921 + 405	59 59 54.1	+ 5.705 - 742	+ 3 ± 15	- 25 ± 13	847
3861	9.3 K5	54 1.63	5.0681 349	57 17 14.1	5.693 711	- 11 14	- 11 12	852
3862	9.3 G	54 19.31	5.1358 364	58 8 23.5	5.669 721	- 19 15	- 61 13	803
3865*	5.3 B3p	55 16.97	5.1919 372	58 47 40.7	5.588 730	+ 27 15	- 19 13	804
3867*	6.0 K0	55 19.97	5.1962 372	58 50 38.7	5.584 730	- 9 15	- 50 13	805
3868	8.6 A3	55 48.09	+5.0088 + 326	56 26 10.7	+ 5.545 - 704	+ 34 ± 12	- 31 ± 10	1001
3869	9.1 A0	55 48.65	5.1061 349	57 43 6.0	5.544 718	+ 3 12	- 15 10	854
3871	7.9 A3	56 5.61	4.9041 302	54 56 40.7	5.520 690	+ 14 14	- 35 12	858
3872	8.7 F5	56 5.44	5.2628 384	59 35 50.0	5.520 740	- 22 15	- 33 13	849
3873	8.4 A0	56 8.49	5.2249 374	59 9 29.3	5.516 735	+ 35 15	- 31 13	850

3783 = BDS 2377: 9.2, 9.5, 0".4.
3865 = PGC 1195.
3795 = PGC 1150.
3867 = PGC 1196.
3813 = PGC 1156.
Epoch, 1915.81

4^h-5^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
3874	9.1 A5	56 8.47	+5.0310 +330	56 43 35.9	+5.516 -707	-.018 ± 12	-.002 ± 10	1002
3875	7.7 G5	56 14.46	4.9204 305	55 10 39.0	5.507 692	+ 7 14	- 11 12	956
3876	8.8 G5	56 29.80	4.9571 312	55 41 40.9	5.486 697	+ 25 14	-129 12	957
3879	8.2 G5	56 40.43	5.1645 357	58 25 7.0	5.471 727	+ 14 15	+ 11 13	807
3880	8.9 A3	56 43.62	5.1032 343	57 39 6.2	5.466 719	- 4 14	- 12 12	855
3883*	7.7 F8	57 11.78	+4.9357 +304	55 22 1.6	+5.427 -695	- 18 ± 14	- 11 ± 12	958
3885	7.0 K0	57 24.87	4.9515 306	55 35 13.3	5.409 698	+ 42 11	- 16 9	959
3886	9.2 K2	57 32.07	5.2010 361	58 49 56.2	5.398 733	- 8 15	- 9 13	810
3892	8.6 G5	58 7.30	5.1749 351	58 29 56.4	5.349 729	+ 13 15	- 48 13	811
3893	8.9 G0	58 8.94	4.9306 298	55 15 30.9	5.347 695	+ 6 14	-378 12	960
3894	7.9 B9	58 9.30	+5.0742 +329	57 13 55.5	+5.347 -716	+ 54 ± 14	- 6 ± 12	857
3895	8.6 K0	58 14.68	5.0227 317	56 32 48.3	5.339 708	- 14 13	- 27 12	1005
3896	8.1 A0	58 14.77	4.9778 308	55 55 43.6	5.338 702	- 27 13	- 36 10	961
3897	8.9 G0	58 24.18	5.1985 355	58 46 29.2	5.326 733	+ 86 15	- 71 13	812
3898	9.5 F5	58 35.70	5.0534 322	56 56 46.0	5.309 713	+ 32 14	- 21 12	1006
3899	8.9 F2	58 39.25	+4.9675 +303	55 46 22.7	+5.304 -701	- 23 ± 14	+ 15 ± 12	962
3900	9.1 F8	58 46.76	5.2100 356	58 54 6.0	5.294 735	+ 33 15	+ 17 13	814
3903	9.2 F2	59 35.60	5.2008 349	58 46 1.5	5.225 734	- 30 13	+ 8 11	815
3904	8.2 K2	59 38.36	5.0261 311	56 32 56.6	5.221 710	+ 1 14	- 13 11	1007
3905	8.2 K2	59 39.14	5.0372 313	56 41 50.5	5.220 712	+ 36 12	+ 14 11	1008
3906	9.4 F5	59 40.10	+4.9739 +300	55 49 46.7	+5.219 -703	+ 26 ± 14	- 13 ± 12	964
3907	8.0 B9	59 43.99	5.0532 316	56 54 25.9	5.213 714	- 16 14	- 3 12	1010
3908	9.3 G0	0 31.42	5.1789 338	58 28 33.7	5.146 732	- 41 14	- 14 12	816
3910	8.9 M0	0 38.81	5.2223 347	58 59 23.6	5.136 739	- 4 15	- 73 13	817
3911	9.0 A0	0 47.15	5.2124 344	58 52 8.4	5.124 737	- 5 15	- 11 13	818
3916	8.5 K0	1 13.01	+5.0788 +313	57 11 54.9	+5.088 -718	+ 31 ± 14	- 33 ± 12	860
3920	8.6 K7	1 36.53	5.1876 334	58 32 57.3	5.055 734	+ 46 15	- 16 13	819
3921	8.5 F5	1 43.31	4.9494 285	55 25 16.4	5.045 701	+ 39 14	- 36 12	966
3923	9.2 G5	1 46.26	5.0411 303	56 41 10.5	5.042 714	+152 14	+ 22 12	1012
3924	9.3	1 47.93	5.3273 364	60 9 1.8	5.038 754	+ 4 16	- 38 13	863
3927	8.1 G5	2 23.88	+5.1861 +329	58 30 27.4	+4.988 -734	+ 15 ± 14	- 43 ± 12	821
3930	9.2 G0	3 3.71	5.1372 315	57 53 20.8	4.931 728	- 48 14	- 29 12	865
3933	9.0 G5	3 17.88	5.0352 294	56 33 37.4	4.911 714	- 7 14	- 30 12	1013
3934	7.6 A2	3 28.22	5.0203 290	56 21 16.1	4.896 712	- 1 14	- 53 12	1014
3935	9.3 K0	3 37.52	4.9706 280	55 39 51.4	4.883 705	+ 2 14	- 2 12	968
3938	9.4 F0	3 53.24	+5.0960 +303	57 20 36.0	+4.861 -723	+ 27 ± 14	+ 11 ± 12	867
3940	6.6 K0	4 12.19	5.2536 333	59 15 16.0	4.834 745	+ 9 15	- 41 13	857
3942	9.1 K0	4 30.04	5.2015 320	58 38 6.0	4.809 738	- 8 14	- 9 12	823
3944	9.5	4 45.30	4.9930 278	55 56 40.2	4.788 709	+ 20 17	- 2 14	971
3945	9.4	4 49.07	4.9943 278	55 57 37.7	4.782 709	+ 9 14	- 15 12	972
3946	9.3 A0	4 54.03	+4.9497 +270	55 19 51.7	+4.775 -703	+ 19 ± 16	- 34 ± 12	973
3947	9.3 K2	5 16.07	5.2008 316	58 36 19.2	4.744 739	- 19 14	+ 10 12	824
3948	9.2	5 17.79	5.3331 343	60 7 7.8	4.741 758	- 27 15	- 11 13	866
3949	8.7 F0	5 30.96	5.3340 342	60 7 22.2	4.723 758	- 24 15	- 18 13	867
3950	9.0 G0	5 32.86	5.0897 292	57 12 54.0	4.720 724	+ 7 14	- 28 12	870
3953	9.1 F0	6 8.64	+5.0263 +277	56 21 38.7	+4.670 -715	+ 39 ± 16	+ 16 ± 12	1017
3955	6.3 F5	6 19.26	5.3285 336	60 2 23.9	4.654 758	- 6 16	-160 13	870
3957	9.1 A3	6 23.42	5.2638 322	59 18 49.2	4.648 749	+ 9 15	- 32 13	862
3958	8.8 F2	6 33.96	5.3074 330	59 48 7.6	4.634 756	+ 32 15	- 34 13	863
3961	8.7 K0	6 40.83	4.9491 261	55 16 18.9	4.624 704	- 11 14	- 33 12	976

3883 = BDS 2497: 7.8, 9.9, 1".

Epoch of observation, 1915.81

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
3966	7.4 A0	7 14.53	+4.9572 +260	55 22 24.1	+4.576 -706	+.011 ± 14	+.022 ± 12	977
3967	8.8 A2	7 46.08	5.3379 328	60 6 29.2	4.531 760	- 7 15	- 5 13	873
3968	9.0 A2	7 48.46	5.2942 320	59 37 21.5	4.528 754	0 14	- 11 15	865
3969	9.0 A0	8 12.54	4.9378 252	55 4 7.7	4.493 704	- 13 14	- 8 12	979
3970	8.8 F5	8 14.67	5.1552 290	57 58 15.1	4.490 735	+ 5 14	- 22 12	873
3971*	6.4 B3	8 41.28	+5.1568 +288	57 58 45.5	+4.452 -736	- 10 ± 13	- 34 ± 11	874
3975	9.0	9 3.53	5.3432 321	60 8 4.6	4.422 762	+ 85 15	- 6 13	876
3976	9.0 F0	9 30.44	5.0958 273	57 11 20.3	4.383 727	+ 10 14	+ 25 12	875
3977	8.5 A2	9 34.23	5.1774 287	58 12 39.2	4.377 739	+ 27 14	- 6 12	828
3979	8.0 G5	10 5.40	4.9307 242	54 55 0.1	4.333 704	+ 8 14	+ 10 12	880
3980	8.9 K5	10 7.05	+5.2617 +299	59 11 44.4	+4.331 -751	+ 15 ± 15	- 23 ± 13	867
3981	8.4 G5	10 19.23	5.2488 296	59 2 29.4	4.313 750	+ 38 15	- 44 13	868
3982	9.0 G0	10 28.41	5.2340 292	58 51 53.3	4.300 748	+ 39 14	0 12	829
3984	7.2 G5	11 17.73	5.2608 292	59 9 15.2	4.232 752	+236 15	-288 13	870
3985	9.2 M2	11 22.46	5.3037 300	59 38 34.1	4.223 758	+ 33 15	- 14 13	871
3989	9.0 K7	11 31.97	+5.2769 +294	59 20 8.4	+4.209 -754	- 21 ± 15	- 17 ± 13	872
3990	9.4 A	11 32.47	4.9335 235	54 55 11.9	4.209 706	+ 13 14	+ 7 12	883
3992*	9.5 A7	11 36.08	4.9955 245	55 47 44.7	4.204 715	+ 14 13	+ 24 11	985
3993	9.0 A0	11 56.14	5.0426 251	56 25 44.8	4.175 721	+ 28 14	+ 13 12	1022
3994	9.5 F5	12 17.24	5.2191 279	58 38 44.7	4.145 746	+ 23 14	- 38 12	832
3996*	5.7 A0	12 46.00	+5.1201 +259	57 25 9.3	+4.104 -733	+ 29 ± 14	- 38 ± 12	879
3997	7.6 G5	12 45.92	5.2344 279	58 48 54.8	4.104 749	+ 16 13	- 9 11	833
4000	6.6 G5	13 15.28	5.0106 239	55 57 48.6	4.062 717	+ 6 14	+ 26 12	989
4001	9.1 K2	13 27.50	5.1399 259	57 39 13.5	4.045 735	+ 7 14	- 10 12	880
4002	9.0 A	13 27.60	4.9638 231	55 18 25.1	4.044 710	- 19 14	+ 16 12	990
4005	9.2 G0	14 3.41	+5.2542 +275	59 1 2.0	+3.994 -752	+ 33 ± 15	0 ± 13	874
4006	9.3 A5	14 6.07	5.2977 282	59 30 48.0	3.990 759	+ 18 15	- 3 13	873
4008	8.4 G5	14 15.63	5.2670 276	59 9 35.3	3.976 754	+ 40 14	- 7 12	875
4011	9.5 F5	14 22.43	5.1835 261	58 10 14.3	3.966 742	- 6 14	- 28 12	835
4012	9.4 G5	14 29.32	5.2671 274	59 9 24.4	3.956 754	+ 19 14	+ 42 12	877
4015	8.6 K2	14 51.54	+5.2368 +267	58 47 44.2	+3.925 -750	+ 14 ± 15	- 7 ± 13	836
4016	8.5 K7	14 55.19	4.9652 224	55 17 28.5	3.919 712	- 9 12	- 21 10	991
4021	9.4	15 31.10	5.2142 260	58 30 52.1	3.868 748	+ 50 14	- 41 12	838
4023	9.1 K0	15 49.92	5.1753 252	58 2 17.7	3.841 742	- 1 14	- 6 12	839
4024	8.9 G0	15 57.88	5.0561 232	56 30 54.9	3.830 726	+ 10 14	- 15 12	1027
4025	9.1 F8	16 5.01	+5.1477 +246	57 41 31.3	+3.819 -739	+ 3 ± 14	- 5 ± 12	881
4026	8.2 A0	16 9.49	5.1210 241	57 21 15.7	3.813 735	+ 16 14	0 12	882
4029	9.0 K0	16 19.25	5.1714 248	57 58 46.4	3.799 742	- 13 14	+ 20 12	883
4030	8.2 F5	16 20.00	5.0379 228	56 15 49.3	3.798 723	+ 8 14	+ 30 12	1028
4033	8.0 F5	17 22.16	5.0326 222	56 10 4.2	3.709 723	+ 34 14	- 45 12	1029
4035	8.5 A3p	17 29.82	+5.2220 +250	58 33 52.0	+3.698 -750	+ 13 ± 15	- 77 ± 13	840
4042	8.8 K0	18 35.33	5.2107 242	58 24 28.4	3.604 750	+ 62 15	- 45 13	841
4044	9.0 F5	18 35.10	5.1580 234	57 45 56.8	3.604 742	- 8 14	- 32 12	886
4045	7.3 A0	18 39.12	5.3652 265	60 9 39.3	3.599 771	+ 60 15	- 22 13	884
4049	8.8 G5	19 34.61	5.2276 238	58 35 18.6	3.519 752	- 4 14	- 32 12	842
4051	9.2 F5	20 2.59	+5.0684 +213	56 35 28.5	+3.479 -730	+ 18 ± 12	- 15 ± 11	1030
4053	8.9 A	20 22.21	4.9704 198	55 14 43.2	3.450 715	- 9 14	- 22 12	994
4054	9.3 F	20 41.60	5.1530 222	57 39 44.5	3.423 742	+ 4 14	- 20 12	888
4055	9.2 F8	20 59.07	5.0423 205	56 13 27.7	3.398 726	0 14	+ 23 12	1031
4056	9.1 K2	21 12.74	5.2341 230	58 37 58.1	3.378 754	+ 62 14	-109 12	843

3971 = PGC 1253.
3996 = PGC 1276.

3992 = BDS 2641: 9.5, 9.5, 10″; separated on plates.
Epoch of observation, 1915.81

5^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
4057	9.2 F8	21 18.36	+4.9842 + 196	55 25 15.4	+ 3.370 - 718	+.047 ± 16	-.063 ± 12	995
4061*	6.3 G0	21 52.27	5.1126 210	57 7 37.7	3.322 736	+ 135 14	- 227 12	889
4063	9.1 A2	22 5.30	5.0167 196	55 51 22.0	3.302 723	+ 7 14	+ 8 12	996
4068	8.5 K5	23 31.88	5.0881 198	56 46 53.5	3.178 734	+ 4 12	- 7 11	1034
4069	9.0 B8	23 33.82	5.0032 187	55 38 31.2	3.175 722	- 4 16	- 12 12	997
4070	8.4 A0	23 41.28	+ 5.1660 + 207	57 45 58.4	+ 3.164 - 745	+ 14 ± 14	- 10 ± 12	891
4071	8.1 B9	23 44.82	5.0427 191	56 10 39.3	3.159 728	+ 18 14	+ 51 12	1035
4072	9.3	23 46.59	5.0444 191	56 11 59.4	3.157 728	+ 10 16	+ 16 12	1036
4073	8.2 A0	23 54.86	5.3078 224	59 25 55.7	3.145 766	+ 19 14	- 13 12	890
4074	8.9 M0	24 3.12	5.1646 205	57 44 35.8	3.133 745	- 11 12	- 19 10	893
4076	7.9 A0	24 15.46	+ 5.3299 + 225	59 40 19.8	+ 3.115 - 769	- 22 ± 15	- 24 ± 13	891
4078	9.0 K5	24 53.54	5.2917 216	59 14 3.0	3.060 764	+ 33 14	+ 5 12	892
4083	8.7 G0	25 25.86	5.1977 201	58 7 18.4	3.013 751	- 5 14	- 14 12	844
4085	8.6 A0	25 42.55	5.0552 182	56 18 32.9	2.989 730	+ 10 14	+ 25 12	1040
4086	9.2 B9	25 43.03	5.0774 185	56 36 9.0	2.989 733	+ 25 14	+ 18 12	1039
4092	8.4 F5	26 45.47	+ 5.2282 + 197	58 27 57.3	+ 2.899 - 756	+ 63 ± 13	- 45 ± 11	845
4093	8.8 K0	26 51.68	5.2131 195	58 17 6.8	2.890 753	+ 17 13	- 15 11	846
4094	7.3 K0	26 53.03	5.0638 178	56 24 13.7	2.888 732	+ 15 14	+ 9 12	1041
4096	7.8 B9	26 57.18	5.2989 205	59 16 52.9	2.882 766	+ 10 14	- 16 12	895
4097	8.9 K0	26 59.87	5.3404 210	59 44 34.4	2.878 772	- 7 15	- 23 13	896
4098	9.4 A0	27 14.78	+ 5.1146 + 181	57 3 35.4	+ 2.856 - 740	- 4 ± 14	0 ± 12	899
4099	7.1 K0	27 16.17	5.1892 190	57 59 22.1	2.854 750	- 27 14	- 17 12	900
4100	9.4	27 28.52	5.2922 201	59 11 47.3	2.837 765	+ 9 15	- 17 13	897
4102	8.3 A2	27 43.09	5.3383 205	59 42 31.9	2.815 772	- 6 15	- 25 13	898
4104	9.4 A5	27 59.60	4.9855 164	55 19 3.7	2.792 721	+ 20 16	- 5 12	1000
4106	7.8 K0	28 19.66	+ 5.1030 + 174	56 53 33.3	+ 2.763 - 738	- 3 ± 14	0 ± 12	1042
4107	8.0 F5	28 21.32	5.0111 165	55 40 2.6	2.760 725	- 26 16	+ 12 12	1002
4108*	6.9 F5	28 32.18	5.0570 168	56 17 1.9	2.745 732	+ 20 12	- 135 11	1044
4109	9.1 G0	28 51.78	5.2593 189	58 47 52.4	2.716 761	+ 13 13	- 15 11	847
4111	9.3 A7	28 59.17	5.2902 192	59 9 5.8	2.706 766	+ 16 13	- 3 11	900
4112	8.8 F0	29 16.86	+ 5.1173 + 171	57 3 39.7	+ 2.680 - 741	+ 27 ± 14	- 45 ± 12	901
4114	8.8 A0	29 44.75	5.1198 169	57 5 13.0	2.640 742	0 14	+ 4 12	902
4117	8.1 F2	30 13.16	4.9675 151	55 1 37.6	2.599 719	+ 12 14	- 119 12	1006
4121	9.1 A0	30 40.37	5.2935 182	59 9 49.8	2.559 767	- 8 14	- 27 12	902
4123	8.8 F	30 50.26	5.3668 189	59 58 29.1	2.545 778	- 20 15	+ 19 13	903
4126	9.0 G5	31 10.80	+ 5.2056 + 170	58 7 44.0	+ 2.515 - 755	0 ± 14	+ 14 ± 12	848
4131	8.9 G5	31 50.14	4.9905 146	55 19 43.4	2.458 724	+ 22 14	+ 11 12	1008
4132	9.4 G0	31 52.99	5.3477 180	59 45 3.3	2.454 775	- 8 17	- 90 15	904
4136	8.6 F5	32 13.98	5.3377 177	59 38 13.9	2.424 774	+ 11 13	- 52 11	905
4139	9.1 K0	32 18.60	5.0486 149	56 6 59.2	2.417 732	+ 32 16	- 26 12	1049
4140	9.5	32 24.46	+ 5.0797 + 151	56 31 41.6	+ 2.409 - 737	+ 32 ± 14	0 ± 12	—
4141*	6.5 K0	32 25.81	5.0785 151	56 30 48.3	2.407 737	+ 9 12	+ 54 10	1050
4142	7.9 F5	32 26.64	5.3597 178	59 52 27.2	2.405 776	- 19 13	- 132 11	906
4145	9.0 G5	32 43.60	5.3501 176	59 45 58.8	2.381 776	- 35 15	- 71 13	909
4147	9.4 F8	32 57.65	5.1136 151	56 57 36.8	2.361 742	+ 37 14	- 25 12	1051
4148	7.0 G5	33 13.67	+ 4.9874 + 138	55 15 51.3	+ 2.337 - 724	+ 18 ± 14	- 45 ± 12	1009
4149	9.2 G5	33 54.02	5.0549 141	56 10 47.7	2.279 733	+ 29 14	- 18 12	1052
4153	9.2 A2	34 6.68	4.9689 133	54 59 32.6	2.261 721	+ 12 14	- 27 12	933
4154	7.6 K2	34 8.26	5.1321 147	57 10 53.3	2.258 744	+ 27 14	- 7 12	910
4155	8.7 A0	34 18.81	5.1001 143	56 46 9.5	2.243 740	+ 44 16	- 10 12	1053

4061 = PGC 1324. 4108 = PGC 1367. 4141 = PGC 1393. Epoch, 1915.81

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4156	8.7 A0	34 27.59	+ 5.0166 + 135	55 39 14.2	+ 2.230 - 728	+.017 ± 14	-.011 ± 12	1012
4159	9.0 A2	34 53.22	5.3534 162	59 46 32.0	2.193 777	- 9 15	- 23 13	910
4161	8.9 A0	35 21.49	5.0919 137	56 38 57.1	2.152 739	+ 25 16	- 3 12	1056
4164*	6.0 A2	35 58.49	5.0480 130	56 3 36.2	2.099 733	+ 19 14	- 60 12	1058
4165	7.4 K0	36 11.58	5.2619 147	58 43 47.4	2.079 764	+ 11 13	- 13 11	856
4166*	6.9 A0	36 15.10	+ 5.1097 + 134	56 52 7.5	+ 2.074 - 742	+ 16 ± 14	+ 1 ± 12	1059
4167	8.0 F5	36 16.59	5.2786 148	58 55 17.4	2.072 766	+ 2 14	- 87 12	857
4168	8.5 F5	36 20.50	5.3372 152	59 34 48.7	2.067 775	+ 33 14	- 100 12	911
4173	9.2 G5	36 38.44	5.0786 129	56 27 30.7	2.041 738	+ 60 14	- 94 12	1060
4174	8.7 G0	36 41.93	5.0723 128	56 22 36.6	2.036 737	+ 24 16	+ 19 12	1061
4175	9.2 F0	36 41.96	+ 5.0149 + 124	55 36 9.1	+ 2.035 - 728	+ 2 ± 14	- 18 ± 12	—
4176	9.0 A0	36 45.59	5.1801 137	57 44 54.4	2.030 753	+ 29 14	+ 7 12	911
4177	7.7 K0	36 50.24	5.0145 123	55 35 41.2	2.023 728	- 3 14	- 92 12	1014
4183	8.8 F5	37 24.63	5.2322 137	58 22 5.0	1.973 760	- 17 14	- 17 12	859
4185	9.1 A0	37 47.17	5.1263 127	57 3 50.8	1.941 745	+ 34 13	- 5 11	912
4186	8.8 K2	37 51.03	+ 5.1449 + 128	57 17 52.3	+ 1.935 - 748	- 11 ± 14	- 11 ± 12	913
4189	8.8 A0	38 27.27	5.0116 115	55 32 12.3	1.882 728	- 4 13	- 9 11	1016
4190	8.1 K5	38 31.72	5.1146 122	56 54 21.8	1.876 744	+ 35 14	+ 12 12	1062
4192	9.3 K5	38 50.87	4.9789 111	55 4 37.5	1.848 724	- 11 14	+ 1 12	1017
4193	9.1 K2	38 50.94	5.3437 138	59 37 33.0	1.848 777	- 4 12	- 15 10	912
4194	8.8 A2	38 56.11	+ 5.3550 + 138	59 44 56.7	+ 1.841 - 779	+ 19 ± 13	- 44 ± 11	913
4196	8.9 K5	39 25.62	5.3478 134	59 39 53.4	1.798 778	- 8 13	- 21 11	915
4199*	6.5 A2	39 54.28	5.1132 115	56 52 27.5	1.756 744	- 14 14	+ 8 12	1065
4201	8.3 A3	40 0.07	5.1419 116	57 14 17.2	1.748 748	- 19 14	- 3 12	916
4203	9.2 G0	40 24.93	5.0718 110	56 19 45.5	1.712 738	+ 16 17	- 11 14	1066
4204	8.9 A0	40 25.41	+ 5.3072 + 125	59 12 15.9	+ 1.711 - 772	- 34 ± 15	- 28 ± 13	917
4205	9.0 G0	40 35.60	5.0733 109	56 20 48.8	1.696 738	+ 24 12	- 12 9	1069
4208	8.9 G5	40 59.04	5.0510 105	56 2 49.6	1.662 734	+ 4 14	+ 5 12	1071
4210	9.1 F2	41 3.20	5.1251 110	57 0 54.2	1.656 745	+ 1 14	- 18 12	917
4211	7.5 A0	41 4.92	4.9907 101	55 13 11.6	1.653 726	- 9 14	- 20 12	1022
4212	6.5 B9	41 16.23	+ 5.2833 + 119	58 55 27.9	+ 1.637 - 768	- 16 ± 14	- 56 ± 12	863
4216	8.7 K5	41 33.37	5.3177 119	59 18 42.4	1.612 774	- 24 15	- 31 13	918
4218	9.1 G5	41 43.35	5.2649 115	58 42 29.6	1.597 766	- 37 14	- 33 12	864
4220	8.3 G5	41 59.95	5.0511 100	56 2 15.5	1.573 735	- 5 14	- 30 12	1073
4223	6.8 K2	42 35.02	5.1998 106	57 55 43.0	1.523 757	+ 41 14	- 50 12	918
4224	8.5	42 51.57	+ 5.3824 + 116	60 0 36.7	+ 1.499 - 783	+ 28 ± 15	+ 10 ± 13	912
4226	9.1 K5	42 54.14	5.2871 110	58 57 16.5	1.494 769	- 45 14	- 11 12	—
4227	8.4 K2	42 58.96	5.2853 109	58 55 57.5	1.488 769	- 5 14	- 25 12	866
4228	9.0 K5	43 0.34	5.0007 92	55 20 27.2	1.485 728	- 26 14	- 14 12	1024
4230	8.4 K2	43 11.41	5.2675 107	58 43 33.9	1.469 767	- 15 14	- 27 12	867
4231	7.4 F0	43 22.12	+ 5.1265 + 97	57 0 44.0	+ 1.454 - 746	+ 14 ± 13	- 45 ± 10	- 1077
4232	8.5 A0	43 23.12	5.2223 103	58 11 37.8	1.453 760	+ 15 14	- 5 12	868
4233	8.9 K7	43 27.34	5.0373 92	55 50 21.6	1.446 733	+ 5 14	- 4 12	1025
4236	8.9 K5	43 44.04	5.2380 102	58 22 37.8	1.422 762	- 16 15	- 24 13	869
4237*	5.3 A0	43 46.15	5.3688 109	59 51 23.9	1.419 782	- 11 13	- 39 11	920
4238	8.7 G5	43 50.55	+ 5.0630 + 92	56 10 50.5	+ 1.412 - 737	- 24 ± 14	- 37 ± 12	1078
4241	9.5 G0	44 19.49	5.0512 89	56 1 8.7	1.371 735	+ 50 14	- 51 12	1079
4243*	5.0 A2	44 22.30	5.0258 87	55 40 30.5	1.367 732	+ 12 14	- 3 12	1027
4245	8.4 A3	45 1.12	5.2926 97	59 0 1.3	1.310 771	+ 7 14	- 13 12	- 871
4247	8.9 A0	45 8.49	5.3787 101	59 57 10.1	1.299 783	- 25 15	- 28 13	921

4164 = PGC 1410. 4166 = PGC 1412. 4199 = PGC 1427. 4237 = PGC 1452. 4243 = PGC 1453.

Epochs: Stars 4156 to 4199, 1915.81; stars 4201 to 4247, 1915.94

5h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4249	8.4 A0	45 13.92	+ 5.2105 + 92	58 2 14.0	+ 1.291 - 758	+.015 ± 13	-.005 ± 11	872
4250	8.7 G5	46 9.32	5.2507 89	58 30 29.6	1.211 765	+ 30 12	- 42 10	873
4251	9.4	46 11.03	5.2533 89	58 32 20.5	1.208 765	+ 20 13	- 38 11	874
4252	8.1 G5	46 19.17	5.2227 86	58 10 34.4	1.196 761	- 5 14	- 40 12	875
4253	8.5 K0	46 20.20	5.1510 83	57 17 58.0	1.195 751	- 1 13	- 5 11	922
4254	8.6 A0	46 27.34	+ 5.1242 + 81	56 57 35.0	+ 1.184 - 747	+ 2 ± 14	+ 20 ± 12	1080
4255	7.3 G5	46 36.38	5.0455 77	55 55 30.8	1.172 735	+ 75 14	- 113 12	1028
4256	9.0 K7	46 40.27	5.0104 75	55 26 50.6	1.166 730	+ 70 14	- 28 12	1029
4257	9.0 K0	46 41.40	5.2493 86	58 29 20.6	1.164 765	+ 44 13	- 23 11	878
4259	9.0 G0	46 55.19	5.0486 76	55 57 58.1	1.144 736	+ 19 16	+ 20 12	1030
4260	7.9 K0	47 1.12	+ 5.3268 + 87	59 22 19.4	+ 1.135 - 776	- 2 ± 15	- 67 ± 13	924
4261	7.6 A0	47 12.28	5.0242 73	55 38 1.7	1.119 732	+ 25 14	- 4 12	1032
4262	8.8 A5	47 27.58	5.1985 79	57 52 41.6	1.097 758	+ 34 14	- 15 12	923
4264*	9.2 G5	47 30.57	5.2564 81	58 32 57.7	1.092 766	- 85 15	- 58 13	882
4266	8.0 F8	47 42.06	5.0432 71	55 53 14.0	1.076 735	+ 8 14	- 57 12	1033
4268	8.9 K0	47 49.82	+ 5.1736 + 76	57 34 15.3	+ 1.064 - 754	- 3 ± 16	- 4 ± 12	924
4270	9.0 K2	47 53.72	5.0237 70	55 37 18.7	1.059 732	- 21 16	- 7 12	1034
4271	8.5	47 59.40	5.3906 84	60 3 48.6	1.051 786	+ 52 15	+ 35 13	917
4272	9.2 G5	48 19.17	5.0381 68	55 48 52.1	1.022 734	+ 12 14	- 114 12	1035
4273*	9.1 A0	48 30.82	5.2822 76	58 51 31.6	1.004 770	- 23 14	- 33 12	884
4275*	6.3 A2	49 20.51	+ 5.0015 + 62	55 18 23.8	+ 0.932 - 729	0 ± 14	- 79 ± 12	1036
4278	8.0 K2	49 24.88	5.3734 74	59 52 13.9	0.926 783	- 38 15	- 26 13	930
4280	9.0 K0	49 28.32	4.9939 61	55 12 2.1	0.921 728	+ 46 14	- 25 12	1037
4281	8.9 K5	49 33.83	5.3457 73	59 34 1.8	0.913 779	+ 47 14	- 21 12	931
4283	7.4 G5	49 56.31	5.1218 63	56 54 33.3	0.880 747	+ 24 16	+ 8 12	1083
4285	8.8 F8	50 10.92	+ 5.0162 + 58	55 30 22.6	+ 0.859 - 732	+ 63 ± 14	- 57 ± 12	1038
4287	9.0 K5	50 44.49	5.1985 61	57 51 35.7	0.810 758	+ 11 14	- 4 12	925
4288	8.6 K5	51 11.47	5.0166 53	55 30 26.8	0.771 732	+ 71 12	+ 4 10	1041
4289	9.5 A0	51 15.64	5.0109 53	55 25 40.1	0.765 731	+ 38 14	- 24 12	1042
4290	8.0 K5	51 40.19	5.0022 51	55 18 22.9	0.729 729	+ 12 14	- 38 12	1044
4292	9.1 K0	51 41.21	+ 4.9897 + 50	55 7 53.1	+ 0.727 - 727	- 9 ± 14	- 16 ± 12	1045
4294	9.0 G5	52 15.78	5.2285 53	58 12 54.8	0.677 763	+ 17 14	+ 93 12	887
4295	6.5 G5	52 22.78	5.1308 50	57 0 44.9	0.667 748	+ 24 16	- 41 12	- 1086
4297	9.2 A0	52 33.94	5.2489 52	58 27 17.5	0.651 765	+ 27 14	- 2 12	888
4299	8.7 A0	53 5.00	5.2862 50	58 53 7.9	0.605 771	- 16 14	0 12	889
4300	8.8 G5	53 5.75	+ 5.3747 + 52	59 52 7.3	+ 0.604 - 784	- 2 ± 15	- 21 ± 13	935
4301	9.1 K5	53 8.79	5.1670 47	57 27 51.8	0.600 754	+ 8 14	- 5 12	926
4304	8.7 F0	53 16.17	5.0021 43	55 17 51.4	0.589 729	+ 16 14	- 52 12	1049
4309	8.9 M0	53 31.24	5.3550 49	59 39 14.3	0.567 781	- 9 15	- 7 13	936
4310	9.4 A0	53 31.52	5.1880 45	57 43 16.5	0.567 757	+ 24 14	+ 13 12	927
4313	9.1 A3	53 39.39	+ 5.0187 + 41	55 31 35.0	+ 0.555 - 732	- 2 ± 16	- 6 ± 12	1051
4314	9.2 K2	53 52.87	5.1884 44	57 43 33.3	0.535 757	+ 11 14	+ 27 12	930
4317	6.4 K0	54 1.73	5.3316 45	59 23 35.4	0.522 777	- 16 15	- 37 13	937
4319	8.0 K5	54 3.87	5.1981 43	57 50 34.4	0.519 758	+ 5 14	- 7 12	931
4323	7.9 K0	54 26.07	5.2737 42	58 44 11.0	0.487 769	+ 15 14	- 30 12	891
4324	9.1 G5	54 39.15	+ 5.2526 + 40	58 29 28.9	+ 0.468 - 766	- 42 ± 14	- 5 ± 12	892
4326	8.8 K5	54 42.86	5.1339 38	57 2 39.8	0.463 748	+ 37 13	- 43 11	933
4327	9.2 A0	54 43.85	5.1714 39	57 30 47.3	0.461 754	+ 36 14	- 17 12	934
4329	9.2 F5	54 48.73	5.3221 40	59 17 10.4	0.454 776	- 18 14	- 42 12	938
4330	9.2 A5	55 31.70	5.0433 33	55 51 22.3	0.391 735	0 13	- 40 10	1055

4264, A.G. declination probably 1' too large.
4273: 10th magnitude companion, distant 13", not in BDS.
Epoch of observation, 1915.94

4275 = PGC 1473.

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4331	8.5 K0	55 34.19	+5.1530 +34	57 17 0.7	+0.388 -751	+.041 ±16	+.009 ±12	935
4332	8.9 K0	55 43.97	5.2675 34	58 39 44.2	0.373 768	- 4 14	+ 6 12	893
4334	9.0 A2	56 0.55	5.3333 33	59 24 30.2	0.349 778	+ 19 15	- 1 13	940
4336	9.1 G5	56 9.26	5.2904 32	58 55 30.9	0.336 771	- 17 14	- 7 12	894
4340	8.6 A0	56 27.54	5.2897 30	58 55 0.3	0.310 771	+ 40 14	- 2 12	895
4342	8.8 A7	56 46.00	+5.1895 +28	57 43 54.8	+0.283 -757	+ 26 ±14	- 20 ±12	937
4343	9.0 G5	57 7.03	4.9844 24	55 2 31.4	0.252 727	- 19 14	+ 11 12	1056
4344	9.0 K5	57 18.45	5.1302 24	56 59 31.9	0.236 748	+ 12 14	+ 2 12	+ 939
4345	8.8 K2	57 22.19	5.1990 24	57 50 46.0	0.230 758	+ 27 14	- 26 12	938
4346	8.8 F8	57 46.17	4.9762 21	54 55 28.3	0.195 726	+ 7 16	- 22 12	988
4347	8.6 K0	58 0.90	+5.0670 +21	56 10 9.5	+0.174 -739	+ 15 ±14	- 32 ±12	1090
4348	9.1 G5	58 1.62	5.3110 21	59 9 20.4	0.172 775	- 32 14	- 30 12	944
4351	8.1 A2	58 32.54	5.0700 18	56 12 33.5	0.128 739	+ 21 14	- 7 12	1091
4352	9.1 A7	58 33.38	5.2731 18	58 43 24.6	0.126 770	+ 19 14	0 12	896
4354	9.3	58 39.27	5.3889 17	60 0 38.4	0.117 786	- 42 15	- 7 13	930
4355	8.9 G5	58 41.70	+5.0831 +17	56 22 52.9	+0.115 -741	+ 58 ±12	- 2 ±10	1092
4358	7.1 K0	58 51.45	5.0526 16	55 58 36.0	0.100 737	+ 48 14	- 25 12	1058
4359*	5.8 K0	58 57.49	5.2928 16	58 56 56.1	0.091 772	+ 28 13	+ 29 11	897
4360	9.5 G	59 11.51	5.2293 14	58 12 36.5	0.071 763	+ 25 14	+ 4 12	898
4362*	9.3 G0	59 12.55	4.9881 15	55 5 33.2	0.069 728	- 11 14	+ 17 12	1059
4363	9.0 A0	59 16.64	+5.1650 +14	57 25 35.9	+0.063 -753	+ 19 ±14	- 60 ±12	942
4364	8.7 A2	59 27.35	5.0753 13	56 16 43.7	0.048 740	+ 18 16	- 7 12	1093
4367	7.3 K0	59 49.52	5.3138 11	59 11 9.8	+0.015 775	- 13 14	- 10 12	948
4371	7.8 K2	0 4.25	5.3829 9	59 56 43.8	-0.006 785	+ 7 14	- 33 12	949
4373	9.0 F2	0 30.25	5.2897 7	58 54 47.1	0.044 772	- 20 14	- 12 12	899
4376	8.3 F8	0 50.22	+5.1347 + 6	57 2 46.0	-0.073 -749	- 1 ±14	-101 ±12	945
4378	8.8 G5	1 24.46	5.0697 + 3	56 12 21.3	0.123 739	+ 5 16	+ 14 12	1096
4380	8.5 K5	1 46.63	5.3793 - 2	59 54 30.2	0.156 785	- 10 14	- 27 12	950
4386	8.8 K7	2 56.94	5.3202 8	59 15 36.6	0.258 776	- 15 14	- 27 12	952
4387	7.9 G5	2 59.73	5.0254 4	55 36 36.1	0.262 733	- 6 16	- 17 12	1062
4388	9.1 A	3 20.81	+5.0495 - 6	55 56 13.1	-0.293 -736	+ 24 ±16	- 32 ±12	1063
4391	7.0 K0	3 56.88	5.1952 11	57 48 10.9	0.345 758	+ 60 14	- 14 12	947
4394*	5.6 K0	4 27.02	5.3903 19	60 1 48.3	0.389 785	+ 41 15	- 50 13	938
4398	6.4 G5	4 59.70	5.3187 20	59 14 51.5	0.437 775	+ 11 13	- 26 11	953
4400	9.1 G0	5 24.19	5.3279 23	59 21 6.7	0.472 776	+ 50 14	+ 1 12	954
4402	7.2 G0	5 33.94	+5.1283 - 19	56 58 18.8	-0.489 -748	- 199 ±12	-191 ± 9	1100
4403	7.3 Mb	5 43.38	5.1122 20	56 46 6.8	0.501 745	- 10 14	- 16 12	1101
4404	9.0 A2	5 53.37	5.3309 26	59 23 9.0	0.515 777	- 15 14	+ 10 12	955
4407	7.1 A2	6 26.65	5.2844 28	58 51 46.3	0.564 770	+ 11 14	- 7 12	912
4409	9.3 A0	6 34.21	5.2541 28	58 30 42.5	0.575 766	- 7 14	- 37 12	911
4412	6.9 F8	6 38.63	+5.1662 - 26	57 27 9.4	-0.582 -753	- 44 ±14	- 61 ±12	952
4415	9.2 K2	7 4.83	5.3538 34	59 38 33.6	0.619 780	+ 4 14	- 9 12	956
4419	8.5 K0	7 22.23	5.1037 28	56 39 51.4	0.645 744	+ 2 14	- 10 12	1104
4420	8.6 A2	7 22.85	5.2392 32	58 20 21.2	0.646 763	- 16 14	- 34 12	913
4421	8.9 G0	7 30.84	5.2764 34	58 46 26.2	0.657 769	+ 83 14	- 21 12	914
4422	9.0 G5	7 36.14	+5.1691 - 30	57 29 32.2	-0.666 -753	- 51 ±14	- 79 ±12	953
4423	7.1 G5	7 54.75	5.3498 39	59 36 5.7	0.692 780	+ 27 14	- 44 12	957
4424	8.3 A0	8 7.19	5.3761 41	59 53 18.2	0.711 784	- 13 13	- 7 11	958
4425	8.3 G0	8 9.04	5.1441 33	57 10 53.4	0.712 749	+ 93 14	-109 12	954
4426	6.4 K0	8 33.87	5.0961 34	56 34 10.3	0.750 742	- 38 14	- 22 12	1106

4359 = PGC 1520.

4394 = PGC 1552.

4362 = BDS 3145: close double, equal magnitudes, no evidence of duplicity on our plates.

Epochs: Stars 4331 to 4367, 1915.94; 4371 to 4426, 1916.46

6^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4427*	4.6 A0	8 35.63	+5.3004 -41	59 3 11.7	-0.752 -772			959
4428	9.4 F8	8 37.69	5.1320 35	57 1 54.8	0.755 747	-.015 ± 14	-.039 ± 12	956
4429	7.4 K5	8 50.22	5.3768 45	59 53 57.0	0.773 784	- 8 15	- 27 13	960
4430	7.9 K0	8 56.99	5.0755 35	56 18 2.8	0.783 739	+ 9 14	- 25 12	1108
4431	9.2 A0	9 1.10	5.0458 34	55 54 22.5	0.789 735	- 12 16	- 7 12	1067
4435	8.9 F0	9 24.14	+5.1269 -39	56 58 12.4	-0.822 -747	+ 22 ± 13	- 13 ± 11	1109
4437	9.3	9 34.40	5.3944 51	60 5 25.9	0.837 786	+ 48 15	- 27 13	947
4445*	6.0 A2	10 57.94	5.3323 57	59 25 20.3	0.959 776	- 18 14	- 5 12	964
4446	8.5 G0	11 3.82	5.0698 46	56 14 7.8	0.968 739	- 16 14	- 71 12	1112
4447	9.1 K5	11 13.49	5.1777 51	57 36 59.7	0.982 754	- 19 14	+ 2 12	958
4448	9.3 A	11 32.79	+4.9813 -44	55 1 46.3	-1.010 -725	+ 17 ± 13	+ 4 ± 10	1068
4449	9.5 A	11 33.28	4.9814 44	55 1 54.7	1.010 725	+ 76 14	- 7 12	
4450	8.2 K2	11 35.47	5.1657 53	57 28 12.4	1.014 752	- 1 14	- 19 12	959
4452	8.7 K0	11 39.80	5.0297 47	55 42 3.5	1.020 732	+ 47 14	- 43 12	1069
4453	9.0 G0	11 53.11	5.0884 50	56 29 5.3	1.039 740	+ 47 14	- 86 12	1114
4455	7.1 F0	11 54.88	+5.0566 -49	56 3 56.4	-1.042 -736	0 ± 13	- 27 ± 10	1115
4458	8.9 G5	12 14.67	5.1419 55	57 10 32.2	1.071 748	+ 27 14	- 2 12	962
4459	6.7 K0	12 25.84	5.1305 55	57 1 55.2	1.087 746	- 12 14	- 73 12	963
4460	9.0 G0	12 31.59	4.9928 49	55 11 53.1	1.095 727	+ 47 12	+ 31 10	1070
4462	9.4 K0	12 36.98	4.9875 49	55 7 25.2	1.103 726	+ 5 18	- 16 16	1071
4463	8.1 K0	12 50.09	+5.1603 -59	57 24 36.7	-1.122 -751	+ 36 ± 14	- 5 ± 12	964
4464	7.0 K0	12 57.19	5.3974 72	60 8 26.0	1.133 786	- 24 15	- 22 13	955
4468	9.1 F8	13 15.14	5.2366 65	58 20 20.2	1.159 762	- 7 14	- 7 12	921
4470	8.1 F5	13 23.14	5.3504 72	59 38 6.6	1.171 779	- 11 14	- 30 12	967
4471	7.7 A3	13 24.00	5.3616 73	59 45 29.0	1.172 781	+ 16 15	- 46 13	968
4472	7.6 K0	13 34.99	+5.3588 -74	59 43 43.7	-1.188 -780	- 14 ± 15	- 44 ± 13	969
4473	9.0 F5	13 38.43	4.9949 55	55 14 0.4	1.193 727	+ 27 16	- 16 12	1072
4476	8.5 K2	14 13.74	5.0851 62	56 27 30.9	1.244 740	+ 26 16	- 31 12	1120
4480	8.8 F8	14 36.97	5.0281 61	55 41 56.5	1.278 731	+ 46 14	- 45 12	1073
4481	8.5 A2	14 38.99	5.1098 66	56 46 58.8	1.281 743	+ 8 14	+ 7 12	1122
4483	7.2 F8	14 43.09	+5.2486 -74	58 29 20.0	-1.287 -764	+ 30 ± 14	- 83 ± 12	922
4484	9.2 K0	14 45.59	5.0297 62	55 43 21.1	1.290 731	+ 37 13	- 24 11	1074
4485	8.7 K2	14 45.83	5.1207 67	56 55 24.3	1.291 744	+ 15 14	- 30 12	1123
4487	7.9 F2	15 1.59	5.2634 77	58 39 54.0	1.314 766	- 25 14	+ 26 12	923
4488	8.8 K2	15 6.66	5.3946 86	60 7 28.8	1.321 785	- 17 15	- 37 13	962
4489	9.1 K5	15 21.86	+5.0239 -65	55 38 47.6	-1.343 -730	+ 47 ± 12	- 62 ± 10	1075
4490	8.5 G5	15 23.14	5.1165 70	56 52 25.3	1.345 744	+ 31 14	- 34 12	1124
4491	8.8 F8	15 32.88	5.2741 81	58 47 30.5	1.359 767	0 13	- 78 11	924
4493	8.0 K0	15 39.09	5.0450 67	55 56 11.9	1.368 733			1076
4494	7.8 G5	15 41.90	5.0325 67	55 46 1.0	1.372 732	+ 22 12	- 2 10	1077
4495	8.0 G5	15 41.85	+5.2474 -80	58 28 58.7	-1.373 -763	- 2 ± 13	- 18 ± 11	925
4496	8.2 K2	15 51.68	5.2788 83	58 50 55.0	1.387 767	- 1 13	- 43 11	926
4497*	6.1 A3	15 52.59	5.0758 70	56 20 55.7	1.388 738	+ 19 14	+ 23 12	1125
4498*	5.5 K2	15 54.11	5.2472 81	58 28 55.9	1.390 763	+ 39 13	- 4 11	927
4500	8.4 G5	16 30.73	5.3322 90	59 27 26.6	1.444 775	+ 12 15	- 36 13	976
4505	8.7 K5	16 47.34	+5.1123 -77	56 49 53.2	-1.468 -743	+ 5 ± 16	- 8 ± 12	1126
4506	8.4 K2	17 23.00	5.1754 84	57 37 53.9	1.520 752	- 16 14	- 5 12	966
4508	9.1 K5	17 32.90	5.0141 75	55 31 52.0	1.534 728	- 39 12	- 23 10	1079
4509	8.7 K0	17 45.92	5.2935 95	59 1 56.1	1.553 769	+ 35 15	- 49 13	978
4510	9.1 F5	17 55.60	5.2086 90	58 2 23.0	1.567 757	+ 3 14	- 9 12	931

4427 = PGC 1575.
4497 = PGC 1607.

4498 = PGC 1608.

4445 = PGC 1588 = BDS 3299: 6.2, 7.7, 1".
Epoch of observation, 1916.46

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4511	8.8 G0	18 0.17	+ 4.9733 - 74	54 57 58.4	- 1.574 - 723	-.057 ± 14	-.024 ± 12	1030
4515	8.9 M0	18 20.00	5.3218 100	59 21 26.0	1.602 774	+ 10 15	- 15 13	980
4516	9.3 F8	18 23.40	5.1630 89	57 29 12.8	1.608 750	- 31 14	- 35 12	969
4521	9.1 K5	18 55.71	5.3492 106	59 39 54.1	1.654 777	+ 11 15	- 41 13	981
4522	8.9 K0	18 56.69	5.1776 93	57 40 20.6	1.656 752	+ 11 14	+ 14 12	970
4524	9.1 Ma	19 10.71	+ 5.3027 - 104	59 9 0.3	- 1.677 - 770	- 42 ± 15	- 20 ± 13	982
4525	8.9 F5	19 37.96	5.0622 88	56 12 8.4	1.716 734	+ 7 14	- 23 10	1128
4526	9.0 F8	19 47.31	5.3470 111	59 38 57.5	1.729 776	+ 23 15	- 34 13	984
4527	8.4 G5	19 52.89	5.0390 88	55 53 34.9	1.737 731	+ 31 14	- 47 12	1082
4530*	6.0 G5	19 55.61	5.2247 102	58 14 50.5	1.741 758	+ 11 14	- 332 12	932
4533	7.4 K2	19 58.98	+ 5.0300 - 88	55 46 23.3	- 1.746 - 730	- 1 ± 14	- 4 ± 12	1083
4536	9.1 M0	20 15.87	5.2222 104	58 13 33.2	1.771 758	+ 3 14	+ 10 12	933
4537	9.0 K0	20 17.78	5.0336 90	55 49 27.3	1.774 730	- 36 14	- 25 12	1084
4538	9.2 F0	20 22.01	5.3412 114	59 35 26.3	1.780 776	+ 19 15	- 33 13	985
4542	9.2 K0	20 49.82	5.2530 110	58 35 37.6	1.820 762	- 32 14	- 20 12	934
4544	9.2 K7	21 8.69	+ 5.2332 - 110	58 21 53.3	- 1.848 - 759	- 21 ± 14	- 25 ± 12	935
4545	9.4 K5	21 10.09	5.2342 110	58 22 34.5	1.849 759	+ 26 14	- 29 12	
4546	8.3 G5	21 16.35	4.9700 89	54 57 5.6	1.859 722	- 6 14	- 18 12	1041
4547	8.2 K0	21 20.44	5.0243 94	55 42 32.3	1.865 729	+ 2 13	- 43 11	1087
4548	9.3 F2	21 29.02	5.1308 103	57 6 45.8	1.877 744	+ 15 14	- 15 12	974
4551	9.1 A	21 40.83	+ 5.0939 - 101	56 38 26.2	- 1.894 - 739	+ 9 ± 14	- 8 ± 10	1129
4552	8.8	21 45.13	5.3843 126	60 4 24.7	1.900 781	+ 49 15	+ 53 13	975
4553	9.2 G0	21 53.06	5.1534 107	57 24 5.0	1.912 747	- 42 13	- 14 11	976
4554	8.3 A5	21 53.18	4.9643 92	54 52 40.2	1.912 720	- 17 14	- 40 12	1042
4555	7.7 K0	21 55.71	5.2724 118	58 49 51.3	1.916 765	- 33 15	- 32 13	936
4556	9.1 F0	21 55.78	+ 5.1954 - 111	57 55 9.3	- 1.916 - 753	- 23 ± 12	- 5 ± 10	977
4557	8.1 K5	21 58.10	5.1960 111	57 55 37.1	1.919 753	+ 26 12	- 11 10	978
4558	9.1 G5	22 0.19	5.1863 111	57 48 30.9	1.923 752	- 41 14	- 105 12	979
4559	7.6 F8	22 0.24	4.9686 93	54 56 19.0	1.923 720	- 33 14	- 150 12	1043
4560	8.3 K2	22 10.86	5.2874 120	59 0 18.3	1.938 767	- 7 15	- 25 13	989
4561	8.4 A2	22 19.84	+ 5.0222 - 99	55 41 25.3	- 1.951 - 729	+ 19 ± 14	- 25 ± 12	1089
4565	8.9 G5	22 44.78	5.3346 128	59 32 33.3	1.987 773	- 13 15	+ 16 13	991
4566	8.5 A2	22 51.13	5.1293 110	57 6 31.7	1.996 743	+ 23 14	- 19 12	981
4567	8.5 K5	23 23.86	5.3111 130	59 17 13.6	2.044 770	+ 24 15	- 80 13	994
4568	9.0 F0	23 33.04	5.0397 106	55 56 37.7	2.057 730	- 12 14	- 4 12	1092
4573	8.7 A5	23 58.69	+ 5.1233 - 116	57 2 42.7	- 2.094 - 742	+ 34 ± 16	- 25 ± 14	983
4574	9.1 F0	24 0.01	5.1851 121	57 49 4.5	2.096 751	+ 37 14	0 12	982
4575	6.9 K0	24 8.54	5.0025 106	55 26 30.3	2.108 725	+ 12 12	- 11 10	1093
4578	8.7 G5	24 25.20	5.2120 126	58 8 48.7	2.133 755	+ 26 14	- 122 12	940
4579	8.3 F2	24 25.60	5.3756 142	60 0 30.5	2.133 779	+ 57 15	- 7 13	979
4580	8.6 F0	24 30.32	+ 5.3640 - 142	59 53 4.9	- 2.140 - 777	+ 11 ± 15	- 16 ± 13	995
4581	8.5 A3	24 38.90	5.0128 109	55 35 24.9	2.153 726	- 18 14	- 47 12	1094
4582	8.8 G5	24 43.31	5.0452 113	56 1 52.4	2.159 730	- 7 14	- 21 12	1131
4583	8.0 A5	24 45.69	5.2058 128	58 4 42.4	2.162 754	+ 8 14	- 28 12	941
4585	7.9 K0	25 16.61	5.2768 138	58 55 13.3	2.207 764	+ 52 14	- 6 12	942
4586	7.7 A0	25 16.62	+ 5.3516 - 145	59 45 30.0	- 2.207 - 775	+ 34 ± 15	- 35 ± 13	996
4588	9.0 K2	25 21.82	5.0022 112	55 27 10.3	2.215 724	- 33 15	- 7 11	1095
4589	6.4 F5	25 23.28	5.2159 132	58 12 16.8	2.216 755	+ 146 15	- 204 13	943
4590*	6.8 F2	25 29.16	5.0782 119	56 28 50.4	2.226 735	- 3 14	- 47 12	1134
4591	8.2 F8	25 35.38	5.0265 115	55 47 18.2	2.234 728	+ 17 14	- 122 12	1096

4530 = PGC 1627. 4590 = PGC 1658.

Epochs: Stars 4511 to 4533, 1916.46; stars 4536 to 4591, 1916.86

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
4596	9.0 K5	26 21.02	+5.1331 - 129	57 12 3.1	- 2.300 - 743	+.023 ± 14	+.013 ± 12	985
4598	9.3 G5	26 22.96	5.2639 143	58 47 4.6	2.303 761	+ 37 15	- 3 13	945
4602	8.7 K2	26 42.22	5.2469 143	58 35 27.4	2.331 759	+ 53 14	- 2 12	946
4606*	6.0 A0	27 0.75	5.1132 131	56 57 18.8	2.358 740	- 6 13	0 11	1136
4607	7.8 G5	27 2.48	5.3304 154	59 32 51.6	2.361 771	- 20 15	+ 6 13	998
4612	8.0 A2	27 16.96	+5.0007 - 121	55 27 26.9	- 2.382 - 723	+ 7 ± 16	- 7 ± 12	1097
4614	6.5 G5	27 39.26	5.1390 137	57 17 31.3	2.414 743	- 3 14	- 16 12	988
4615	8.7 A0	27 46.39	5.0409 127	56 0 52.8	2.424 728	+ 6 14	- 2 12	1137
4617	8.8 K0	27 58.19	5.1434 139	57 21 8.3	2.441 743	+ 45 14	+ 2 12	989
4618	8.3 F2	28 6.57	5.2442 150	58 34 42.1	2.453 758	+ 90 14	- 30 12	948
4619	9.1 K2	28 22.51	+5.2930 - 157	59 8 40.8	- 2.476 - 765	+ 18 ± 15	- 43 ± 13	1001
4623	8.6 A5	28 46.16	4.9849 126	55 15 30.1	2.511 720	+ 17 14	- 49 12	1100
4628	8.7 F8	29 24.18	5.1823 151	57 51 18.8	2.566 748	+ 4 14	+ 33 12	991
4631	9.2 F0	29 48.14	5.2803 164	59 1 10.6	2.600 762	+ 70 15	- 67 13	1002
4632	9.1 A0	29 48.65	5.2396 160	58 32 54.5	2.601 757	+ 13 14	- 10 12	951
4633	9.1 K0	29 57.34	+4.9903 - 133	55 21 7.5	- 2.614 - 721	+ 15 ± 14	- 15 ± 12	1103
4635	7.1 A0	30 9.78	5.1125 147	56 59 30.1	2.631 738	+ 37 16	- 39 12	1139
4636	9.5 F8	30 10.15	5.1945 156	58 0 51.0	2.632 750	+ 7 14	- 55 12	952
4637	8.9 K2	30 10.77	5.2035 158	58 7 23.1	2.633 751	0 15	- 69 13	953
4639	9.3 G0	30 20.48	5.3508 176	59 49 1.4	2.647 772	+ 40 15	- 23 13	1004
4642	7.0 K0	30 29.30	+5.0523 - 142	56 12 28.0	- 2.660 - 729	+ 12 ± 16	- 38 ± 12	1140
4643	9.2 A3	30 35.13	4.9654 133	55 0 39.6	2.668 716	- 1 14	- 42 12	1105
4648	8.0 K2	31 26.07	5.3488 183	59 48 35.7	2.741 772	+ 191 15	- 42 13	1006
4653	8.7 K5	32 5.14	5.2011 168	58 7 26.4	2.799 750	- 25 14	- 31 12	954
4654	8.3 G5	32 7.75	5.2248 171	58 24 28.3	2.802 754	+ 6 15	- 9 13	955
4657	9.1 A0	32 16.37	+5.3124 - 183	59 25 15.3	- 2.815 - 766	+ 9 ± 15	- 10 ± 13	1007
4658	8.0 A5	32 16.78	5.0956 156	56 48 24.8	2.815 735	- 11 14	+ 1 12	1143
4659	8.2 F0	32 15.86	5.2241 172	58 24 7.8	2.815 754	- 5 15	- 14 13	957
4661	9.0 A3	32 27.59	5.1464 163	57 27 25.4	2.831 742	+ 10 14	- 9 12	995
4662	8.3 Mb	32 31.00	5.0043 147	55 35 18.0	2.836 721	- 4 14	- 17 12	1109
4664	9.1 K2	32 34.31	+5.0431 - 152	56 7 2.5	- 2.841 - 726	- 2 ± 16	- 23 ± 12	1144
4666	8.9 K2	32 41.99	5.2943 183	59 13 23.8	2.852 763	- 21 15	- 11 13	1008
4667	8.3 K0	32 44.49	5.2382 176	58 34 34.6	2.855 755	+ 24 15	- 33 13	959
4669	7.7 G5	32 49.80	5.0084 149	55 38 58.5	2.864 722	- 84 14	- 29 11	1110
4670	9.0 A7	32 59.19	5.1421 166	57 24 45.4	2.876 741	+ 54 14	+ 7 12	998
4671	9.2 F8	33 6.05	+4.9590 - 144	54 57 41.0	- 2.886 - 714	- 15 ± 16	- 27 ± 12	1062
4672	9.2 G0	33 16.26	5.0019 150	55 34 0.8	2.901 721	+ 2 16	- 69 12	1111
4673	8.9 G5	33 21.25	5.0538 157	56 16 23.7	2.908 728	+ 29 16	- 88 12	1147
4675	9.2 A2	33 25.54	5.1939 174	58 3 25.7	2.914 749	+ 84 15	- 63 13	960
4677	9.1 F0	33 36.48	5.3410 195	59 45 32.6	2.930 769	+ 3 15	- 7 13	1010
4678	9.0 K2	33 39.60	+5.2577 - 184	58 49 9.3	- 2.935 - 757	+ 31 ± 15	- 31 ± 13	961
4679	8.4 A2	33 42.80	5.1275 168	57 14 24.0	2.939 739	+ 60 14	- 21 12	1000
4680	9.1 K2	33 42.85	5.3416 196	59 46 1.4	2.939 769	+ 48 15	- 50 13	1011
4681	8.9 G5	33 43.07	5.3628 199	59 59 51.4	2.940 772	+ 12 15	- 162 13	1012
4682	6.9 Ma	33 47.19	5.1127 166	57 3 6.4	2.945 737	+ 47 14	+ 3 12	1001
4684	8.3 F8	33 53.62	+5.0318 - 157	55 59 15.2	- 2.955 - 725	+ 10 ± 14	- 44 ± 12	+ 1149
4685	8.5 K2	33 53.90	5.2159 180	58 19 49.3	2.955 751	+ 49 15	- 76 13	962
4688	8.6 G0	34 21.38	4.9894 154	55 24 47.1	2.995 719	+ 3 14	+ 44 12	1113
4689	9.2 F8	34 23.09	5.3404 200	59 45 53.8	2.997 769	+ 54 15	- 15 13	1014
4690	8.9 K0	34 24.87	5.0116 157	55 43 14.8	3.000 722	- 5 14	- 26 12	1114

4606 = PGC 1672.

Epoch of observation, 1916.86

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4691	7.6 K0	34 30.64	+5.0101 - 157	55 42 5.1	- 3.008 - 721	+.033 ± 14	-.027 ± 12	1115
4692	9.0 B9	34 35.03	5.1562 176	57 36 56.2	3.015 742	0 14	- 2 12	1002
4695	8.8 A7	35 12.63	4.9576 154	54 58 36.9	3.069 714	- 9 16	- 76 12	1068
4696	8.9 K0	35 16.64	5.0200 162	55 51 3.0	3.074 723	+ 41 16	- 21 12	1117
4697	9.3 K0	35 20.12	5.3520 207	59 54 28.5	3.079 770	+ 78 14	- 50 12	1016
4698	9.3	35 22.94	+5.3491 - 207	59 52 34.4	- 3.083 - 769	+ 12 ± 15	- 128 ± 13	1017
4699	9.2 M0	35 26.31	5.3552 208	59 56 37.7	3.089 770	- 4 15	- 55 13	1018
4701	8.0 F5	35 52.06	5.1774 186	57 53 49.0	3.125 745	+ 46 14	- 137 12	1003
4702*	5.5 G5	36 10.10	5.1286 181	57 17 43.6	3.151 738	+ 59 14	- 37 12	1004
4703	9.2	36 12.79	5.3610 214	60 1 13.8	3.155 771	+ 49 15	- 31 13	997
4705	8.5 F5	36 32.68	+5.1349 - 184	57 22 57.4	- 3.184 - 738	+ 35 ± 14	+ 2 ± 12	1005
4706	9.5 F5	36 36.32	4.9651 162	55 6 39.2	3.190 713	- 13 16	- 19 12	1120
4707	8.8 G	36 39.29	5.1675 189	57 47 28.4	3.193 743	+ 36 14	- 78 12	1006
4709	8.6 F8	37 6.22	4.9721 165	55 13 12.4	3.231 714	+ 231 14	+ 44 12	1121
4711	9.0 A5	37 5.09	5.3375 216	59 46 46.6	3.231 767	+ 18 15	+ 10 13	1019
4716	8.5 K5	37 54.51	+5.3621 - 225	60 3 47.4	- 3.302 - 770	+ 9 ± 15	- 17 ± 13	999
4719	8.6 A0	38 15.78	4.9821 172	55 22 59.8	3.333 715	- 7 14	- 15 12	1125
4725	9.2 G0	38 46.72	5.0224 180	55 57 0.7	3.377 721	- 18 17	- 10 15	1126
4729	9.3 A	39 28.48	4.9968 180	55 36 42.3	3.437 717	- 17 14	- 13 12	1127
4731	8.4 K0	39 42.24	5.1010 196	57 0 38.3	3.457 731	+ 9 14	+ 9 12	1008
4733	8.5 G5	40 8.95	+5.1270 - 202	57 21 7.4	- 3.495 - 735	+ 14 ± 14	- 1 ± 12	1010
4734	8.2 G5	40 12.82	5.1616 208	57 47 13.4	3.501 740	+ 35 14	- 18 12	1011
4735	8.9 A2	40 13.02	5.0225 187	55 58 49.8	3.501 720	0 14	- 15 12	1128
4736	8.8 A3	40 14.29	5.0574 192	56 27 0.9	3.503 725	+ 22 16	- 10 12	1158
4737	8.9 K5	40 19.61	5.2825 227	59 13 29.4	3.510 757	+ 13 15	- 7 13	1023
4738	8.2 A3	40 20.08	+5.2250 - 218	58 33 23.0	- 3.511 - 749	+ 15 ± 15	- 40 ± 13	971
4739	8.8 G	40 39.38	5.0355 191	56 9 56.8	3.539 721	- 32 14	- 65 12	1159
4740	8.4 Ma	40 40.24	5.3016 232	59 26 48.6	3.540 760	+ 11 15	- 14 13	1024
4741	9.3 A	40 43.46	4.9674 182	55 13 29.9	3.545 711	+ 5 16	- 44 12	1129
4743	8.4 G5	41 3.62	5.2491 226	58 51 10.5	3.574 752	+ 15 14	- 83 12	972
4746	9.2 G0	41 22.46	+5.3315 - 241	59 47 37.1	- 3.600 - 764	+ 123 ± 15	- 11 ± 13	1026
4747	8.2 F8	41 22.14	5.1201 208	57 17 23.3	3.600 733	+ 24 14	- 2 12	1012
4750	8.2 G5	41 38.83	5.0157 193	55 55 4.9	3.624 717	+ 34 16	- 36 12	1131
4751	9.2 G5	41 40.37	5.0207 194	55 59 11.0	3.626 718	+ 72 12	- 7 10	+ 1160
4753	9.1 K0	41 49.43	5.1351 212	57 29 19.2	3.639 735	+ 20 14	- 25 12	1013
4754	8.2 K0	41 51.81	+4.9730 - 188	55 19 44.0	- 3.643 - 711	+ 12 ± 14	- 52 ± 12	1132
4755	9.1 K0	41 52.20	5.1623 217	57 49 43.0	3.644 739	- 24 14	- 9 12	1014
4757*	6.0 *	42 3.39	5.3122 242	59 35 35.2	3.659 761	+ 21 15	- 36 13	1028
4759	9.3 A0	42 16.19	5.0071 195	55 48 49.9	3.678 716	+ 15 14	- 10 12	1133
4762	8.4 K0	42 31.01	5.0075 196	55 49 26.8	3.699 716	- 18 14	- 29 12	1135
4763	8.8 F2	42 33.16	+5.1737 - 222	57 58 57.5	- 3.702 - 740	- 23 ± 15	- 49 ± 13	+ 973
4765	8.8 G5	43 15.11	5.0105 200	55 52 53.7	3.763 717	- 47 14	+ 4 12	1136
4766	8.3 K0	43 19.92	4.9506 192	55 2 33.4	3.769 707	+ 24 16	- 41 12	1137
4767	9.2 A5	43 30.37	5.0888 214	56 55 55.5	3.784 727	- 7 13	- 34 10	1162
4769	9.0 K0	43 52.62	5.0870 216	56 55 4.3	3.816 726	+ 26 16	- 4 12	1163
4771	7.9 G0	44 4.03	+5.0045 - 203	55 48 58.9	- 3.832 - 715	- 10 ± 14	- 29 ± 12	1138
4772	9.1 G5	44 10.99	5.1769 232	58 3 29.1	3.842 740	+ 25 15	- 1 13	979
4774	9.4 A0	44 24.50	4.9464 196	55 0 26.6	3.861 706	+ 18 14	- 41 12	1139
4777	8.1 B9	44 35.87	5.0242 209	56 5 56.4	3.878 717	- 7 14	- 4 12	1164
4779	9.0 K5	44 52.55	4.9738 202	55 24 30.7	3.902 710	+ 13 14	- 11 12	1141

4702 = PGC 1720.

4757 = PGC 1753 = BDS 3625: 6.3, 7.5, 0".2; spectrum composite: F5, A2.
Epoch of observation, 1916.86

6h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4784	9.0 A	45 12.45	+5.0734 - 220	56 46 12.4	- 3.930 - 724	-.003 ± 14	-.014 ± 12	1165
4785	9.1	45 15.70	5.0741 221	56 46 49.8	3.935 725	+ 17 14	- 7 12	
4792	8.0 A2	46 23.99	5.2817 263	59 20 31.6	4.032 753	+ 33 15	- 41 13	1033
4794*	4.7 G0	46 26.86	5.2163 252	58 34 55.5	4.037 743			982
4796	6.3 K2	46 32.04	5.1451 240	57 43 9.0	4.044 733	+ 39 14	+ 38 12	1017
4797	9.3 A0	46 45.37	+5.1759 - 246	58 6 12.4	- 4.063 - 737	+ 48 ± 15	- 23 ± 13	983
4799	9.1 K0	46 50.98	5.2838 266	59 22 37.6	4.071 753	+ 39 14	- 24 12	—
4800	8.9 K5	46 53.70	5.2072 252	58 29 8.8	4.075 742	+ 52 14	- 7 12	984
4802	9.0 A0	46 56.85	5.1729 247	58 4 15.3	4.079 737	- 11 15	- 11 13	985
4803	8.5 F0	46 57.07	5.2833 267	59 22 23.8	4.080 753	+ 6 15	- 42 13	1034
4805	9.0 G5	47 10.01	+5.2636 - 264	59 9 10.2	- 4.098 - 750	+ 27 ± 15	+ 7 ± 13	1035
4806	8.5 F8	47 22.68	5.2298 260	58 45 46.5	4.116 745	+ 54 14	- 108 12	986
4807	8.9 K0	47 22.32	5.0224 223	56 8 23.1	4.116 715	- 57 14	- 12 12	1168
4810	8.3 G5	47 30.06	5.2401 262	58 53 18.2	4.127 746	- 35 15	- 50 13	987
4813	8.4 F0	47 38.45	5.1702 250	58 3 15.7	4.139 736	+ 11 15	- 48 13	988
4815	8.0 F0	47 57.20	+5.1446 - 247	57 44 41.7	- 4.165 - 732	+ 28 ± 14	- 30 ± 12	1019
4818	7.9 G5	48 9.97	5.1476 249	57 47 17.4	4.183 733	+ 52 14	+ 9 12	1021
4819	8.9 F5	48 18.14	5.1076 243	57 17 11.9	4.195 727	- 4 14	+ 51 12	1022
4820	9.0 F8	48 21.74	5.1622 253	57 58 21.7	4.200 735	+ 37 15	- 48 13	+ 989
4821	8.7 K0	48 30.25	5.0825 239	56 58 2.7	4.213 723	- 13 16	- 4 12	1170
4823	9.1 F5	48 34.54	+5.2063 - 262	58 30 49.6	- 4.219 - 740	- 8 ± 15	- 52 ± 13	991
4827	9.2 G	49 31.72	4.9772 226	55 34 7.1	4.300 707	- 24 16	- 34 12	1147
4828	9.4	49 33.37	4.9777 226	55 34 36.3	4.302 707	+ 16 16	- 5 12	1148
4829	9.0 F5	49 40.66	4.9289 218	54 53 1.9	4.313 700	- 9 14	- 26 12	1095
4830	8.4 K2	49 45.00	5.0287 236	56 17 4.1	4.319 714	+ 12 16	- 15 12	1171
4831	9.0 G5	49 46.36	+5.0820 - 246	56 59 29.0	- 4.320 - 722	+ 102 ± 14	- 29 ± 12	+ 1024
4833	8.6 A0	49 52.18	5.0013 232	55 54 46.5	4.329 710	+ 6 14	+ 1 12	1150
4834	9.1 G	49 58.17	5.0352 238	56 22 36.5	4.337 715	+ 68 16	- 38 12	1172
4835	9.0 A3	49 59.44	5.3015 289	59 38 59.6	4.340 753	+ 3 15	0 13	1038
4836	9.2 K0	49 59.83	4.9906 230	55 46 5.0	4.340 709	+ 3 14	- 33 12	1151
4840	8.5 F5	50 26.78	+5.1410 - 260	57 45 44.0	- 4.379 - 730	- 38 ± 15	- 16 ± 13	1026
4841	9.0 K0	50 27.50	4.9431 224	55 6 30.9	4.380 702	- 6 14	- 35 12	1153
4847*	7.0 B8	50 58.60	4.9364 226	55 1 33.9	4.424 700	- 9 14	- 40 12	1155
4852	9.0 A0	51 49.92	4.9518 232	55 16 13.0	4.497 702	- 2 14	- 13 12	1156
4853	8.7 G5	52 1.16	5.2431 289	59 2 1.2	4.513 743	+ 19 13	- 21 11	1042
4854	9.1 G5	52 6.46	+5.1493 - 271	57 54 25.8	- 4.520 - 730	+ 44 ± 14	- 10 ± 12	1029
4856	9.0 G0	52 25.09	5.2778 299	59 26 35.4	4.547 748	- 24 16	- 9 14	1043
4857	7.5 K2	52 31.13	5.1643 276	58 6 14.0	4.555 732	+ 42 14	+ 6 12	994
4858	8.6 K5	52 57.33	4.9358 235	55 4 18.7	4.592 699	+ 30 14	+ 3 12	1159
4859	9.0 K2	53 4.72	4.9945 246	55 54 18.0	4.603 707	- 23 16	- 7 12	1160
4860	9.0 K0	53 7.59	+4.9613 - 240	55 26 23.2	- 4.607 - 702	+ 32 ± 16	- 37 ± 12	1161
4862	9.1 G	53 38.89	5.0464 259	56 37 26.3	4.652 714	- 4 14	- 39 12	1173
4863	9.0 G	53 41.43	5.0458 259	56 37 4.3	4.655 714	- 3 13	- 26 10	
4871	9.1 G5	54 49.88	5.2730 312	59 27 3.7	4.752 745	+ 30 15	- 14 13	1047
4872	8.9 K2	54 50.97	4.9606 249	55 28 43.1	4.754 701	+ 3 16	- 8 12	1163
4873	8.0 A2	54 54.22	+4.9898 - 255	55 53 20.7	- 4.758 - 705	+ 24 ± 16	- 40 ± 12	1164
4874	6.4 K0	54 58.84	5.3201 323	59 59 1.3	4.765 752	+ 1 13	+ 16 11	+ 1026
4880	8.8 A0	55 40.37	5.0275 266	56 25 40.2	4.824 710	- 18 16	- 13 12	1174
4881	9.1 A0	55 59.08	5.1919 302	58 32 0.6	4.850 732	+ 19 13	+ 16 11	997
4884	9.0 F	56 20.79	4.9890 262	55 55 14.4	4.881 704	0 15	- 48 11	1166

4794 = PGC 1776 = BDS 3678: 5.0, 6.1, 1". 4847 = PGC 1797. Epoch, 1916.86

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4887	8.5 K0	56 26.44	+5.0552 - 275	56 49 14.0	- 4.889 - 713	-.009 ± 14	-.009 ± 12	1176
4890	9.0 K0	56 36.26	5.2653 321	59 24 39.4	4.903 742	- 3 15	- 18 13	1050
4891	8.2 F8	56 37.07	4.9499 255	55 22 38.1	4.904 698	- 11 16	- 112 12	1167
4893	8.5 F2	56 48.03	4.9636 259	55 34 41.6	4.919 700	+ 21 16	+ 1 12	1168
4894	8.9 G0	57 1.98	4.9695 261	55 40 5.1	4.939 701	+ 42 14	- 5 12	1169
4895	8.6 A0	57 2.06	+5.2047 - 310	58 42 55.9	- 4.939 - 734	+ 42 ± 13	- 5 ± 11	998
4897	8.4 K0	57 9.93	5.2665 325	59 26 27.0	4.951 742	+ 3 15	- 22 13	1051
4901	8.5 G5	57 43.53	4.9638 263	55 36 32.2	4.998 699	- 8 14	- 27 11	1171
4902	9.0 G5	57 47.36	5.0285 277	56 30 11.5	5.003 708	+ 28 16	+ 29 12	1179
4903	8.1 F0	57 47.53	4.9948 270	56 2 31.1	5.003 703	+ 20 15	- 73 10	1180
4914	8.4 K0	58 49.15	+5.0866 - 295	57 18 4.8	- 5.090 - 715	+ 22 ± 14	+ 20 ± 12	1038
4915	8.1 F5	58 52.85	5.1546 310	58 9 35.7	5.096 725	- 49 15	- 82 13	1001
4918	9.1 M1	59 11.00	5.1641 314	58 17 15.7	5.122 726	- 36 15	0 13	1002
4921	8.9 G5	59 22.03	4.9531 269	55 30 22.8	5.137 696	+ 36 14	+ 2 12	1173
4923	9.1 A2	59 29.73	4.9536 270	55 31 4.7	5.148 696	- 18 14	+ 13 12	—
4924	9.2	59 32.92	+4.9517 - 270	55 29 29.6	- 5.153 - 695	- 49 ± 17	- 81 ± 14	—
4925	8.1 F5	59 50.90	5.0346 289	56 38 45.7	5.177 707	+ 17 14	- 110 12	1183
4926	7.2 K0	59 53.19	5.1034 304	57 32 56.2	5.181 717	+ 29 14	+ 23 12	1039
4927	7.7 K0	0 0.39	5.2705 343	59 33 59.7	5.191 740	+ 31 15	- 70 13	1052
4930	9.0 K5	0 14.18	5.0614 296	57 0 54.9	5.210 711	+ 34 14	- 14 12	1041
4931	8.9 K2	0 20.48	+5.0482 - 294	56 50 37.1	- 5.219 - 709	- 22 ± 16	- 13 ± 12	1185
4932	7.7 K0	0 22.89	5.2430 339	59 15 43.8	5.222 736	+ 33 15	- 49 13	1053
4935	8.0 G5	0 48.40	5.1545 320	58 12 58.8	5.259 723	- 12 15	- 126 13	1005
4937	8.2 F0	1 0.32	5.1283 316	57 53 54.2	5.275 719	+ 18 14	+ 5 12	1044
4938	7.2 F0	1 12.54	4.9706 282	55 48 42.8	5.292 697	+ 41 13	- 41 11	1174
4939	8.3 F5	1 14.55	+5.0210 - 293	56 30 27.8	- 5.295 - 704	+ 13 ± 16	- 7 ± 12	1188
4940	8.4 F5	1 20.42	5.1125 314	57 42 28.7	5.303 717	+ 37 14	- 47 12	1045
4941	8.7 K0	1 28.84	5.2445 346	59 18 46.2	5.315 735	+ 8 15	- 20 13	1058
4942	8.7 F5	1 36.14	5.0042 291	56 17 26.3	5.326 701	+ 26 14	+ 11 12	1190
4943	9.4 F5	1 38.59	4.9661 283	55 45 45.9	5.329 696	+ 57 14	- 7 11	1175
4945	8.9 F5	1 54.94	+5.1231 - 320	57 51 37.2	- 5.352 - 718	+ 26 ± 14	- 7 ± 12	1047
4952	8.0 K0	2 31.07	4.9815 291	56 0 23.3	5.403 697	- 29 13	- 39 10	1191
4953	8.0	2 33.18	4.9811 291	56 0 6.1	5.406 697	- 14 14	- 41 12	
4954	8.2 A2	2 37.55	5.0582 308	57 2 51.0	5.412 708	+ 9 14	+ 10 12	1049
4955	8.7 A2	2 57.09	5.1444 330	58 9 34.7	5.440 720	- 25 15	- 9 13	1007
4956	9.0 K5	3 1.06	+5.0377 - 306	56 47 17.2	- 5.445 - 705	- 8 ± 16	- 2 ± 12	1192
4957	8.7 F5	3 4.53	5.1686 337	58 27 37.6	5.450 723	- 27 15	- 47 13	1008
4962	8.9 K7	3 54.95	5.1328 333	58 2 46.4	5.520 717	+ 30 15	+ 8 13	1011
4963	9.1 F5	3 55.99	5.0037 303	56 21 31.3	5.522 699	- 45 14	- 17 12	1194
4965	8.6 G5	3 58.81	4.9394 288	55 27 35.2	5.525 690	+ 160 14	- 39 12	1176
4967	9.1 K0	4 16.58	+4.9720 - 297	55 55 51.3	- 5.551 - 694	+ 3 ± 16	- 2 ± 12	1178
4971	8.1 F8	4 32.55	5.0873 325	57 29 15.6	5.572 710	+ 143 14	- 50 12	1052
4972	7.4 K0	4 33.70	5.2953 377	59 59 6.6	5.575 739	+ 27 13	- 44 11	+ 1038
4973	7.5 Ma	4 48.44	5.0881 327	57 30 31.4	5.595 710	+ 50 14	+ 16 12	1053
4974*	5.6 K0	4 58.91	5.2826 376	59 51 14.9	5.611 737	- 101 14	- 248 11	1065
4978	9.0 K0	5 55.00	+4.9587 - 302	55 48 0.6	- 5.689 - 691	- 2 ± 14	- 16 ± 10	1180
4980	8.4 F5p	6 5.80	5.3041 389	60 7 51.0	5.704 739	+ 6 15	- 38 13	1039
4982	8.1 F0	6 18.38	5.1123 341	57 51 59.5	5.721 712	+ 37 16	- 49 12	1055
4983	9.1 K2	6 19.08	5.1399 348	58 12 45.5	5.722 716	+ 6 14	- 11 12	1016
4984	8.7 G	6 27.91	4.9084 293	55 5 43.4	5.735 683	+ 23 14	- 13 12	1181

Epoch of observation, 1916.86

4974 = PGC 1854.

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
4985	7.3 F0	6 40.50	+5.1432 -351	58 15 56.0	-5.752 -716	-.002 ± 12	-.037 ± 11	1017
4987	9.1 F	6 47.21	5.0819 336	57 29 37.8	5.761 707	+ 43 14	+ 18 12	1056
4993	7.5 F0	7 48.06	5.2122 375	59 8 14.7	5.847 724	- 8 14	+ 2 12	1067
4996*	7.8 F8	8 21.24	5.2285 383	59 20 46.9	5.893 726	+ 52 13	- 14 11	1068
4998	9.1 A7	8 29.94	4.9849 321	56 15 23.9	5.905 692	- 32 16	- 16 12	1198
5000	8.6 K5	8 44.87	+5.0236 -332	56 47 34.2	-5.926 -697	+ 12 ± 14	- 18 ± 12	1199
5001	9.1 K5	8 58.73	5.2248 386	59 19 26.2	5.945 725	+ 15 17	- 5 15	1069
5002	8.3 Ma	8 59.68	5.2766 400	59 55 9.1	5.946 732	+ 32 15	- 27 13	1070
5003*	6.9 K2	9 1.61	5.2377 389	59 28 32.9	5.949 727	- 27 15	- 35 13	1071
5004	8.7 K2	9 10.13	4.9861 325	56 17 47.5	5.961 692	- 28 14	- 24 12	1200
5005	9.1 F8	9 14.79	+5.2144 -384	59 12 42.1	-5.967 -723	+ 18 ± 15	- 56 ± 13	1072
5007	9.1 F	9 20.01	5.1811 376	58 49 8.4	5.974 719	+ 51 14	+ 21 12	1022
5009	8.7 K5	9 35.58	4.9993 330	56 29 38.2	5.996 693	- 1 16	- 9 12	1201
5010	7.9 A0	9 40.94	4.9039 308	55 8 43.3	6.004 680	- 11 16	- 46 12	1185
5011	8.5	9 41.68	4.9042 308	55 9 1.4	6.005 680	+ 13 16	- 48 12	
5012	9.0 F8	9 42.34	+4.9642 -322	56 0 42.8	-6.006 -688	+ 7 ± 16	+ 9 ± 12	1202
5017	9.1 A0	9 53.59	5.1118 361	57 59 4.0	6.021 709	+ 49 15	+ 5 13	+ 1026
5018	9.1 F5	9 55.43	4.8920 306	54 58 43.2	6.024 678	- 2 14	- 37 12	+ 1186
5019	9.1 F5	9 55.64	5.2426 396	59 33 51.6	6.024 727	- 7 14	+ 14 12	1074
5020	9.4 F8	10 2.67	4.9470 320	55 46 53.6	6.034 686	+ 23 16	- 19 12	1187
5021	8.9 F8	10 11.20	+5.0418 -344	57 5 19.9	-6.046 -698	+ 20 ± 14	+ 11 ± 12	1058
5026	9.0 F8	10 53.40	4.9138 316	55 20 1.9	6.105 680	- 3 14	- 51 12	1189
5030	8.8 K7	11 15.22	4.9594 329	56 0 1.5	6.135 686	+ 44 16	+ 6 12	1203
5031*	6.3 A5	11 19.71	5.2883 417	60 7 50.2	6.141 732	- 11 15	+ 11 13	1048
5032	8.9 K0	11 33.06	4.9964 340	56 31 32.6	6.160 691	+ 28 15	- 26 11	1204
5034	7.9 Mb	11 56.23	+4.9600 -332	56 2 7.9	-6.192 -685	+ 25 ± 14	- 1 ± 12	1205
5036	9.0 F5	11 57.55	4.9380 327	55 43 26.5	6.194 682	+ 2 14	- 44 12	1190
5039	8.5 K2	12 17.70	5.0408 355	57 9 9.4	6.221 696	+ 31 14	+ 12 12	1061
5043	9.2 G5	12 40.07	5.1263 380	58 15 52.3	6.253 708	- 43 15	- 99 13	1032
5044	8.1 A0	12 41.02	4.9256 327	55 34 24.1	6.254 680	+ 30 12	- 44 10	1193
5046	8.8 A3	12 45.93	+4.9352 -330	55 42 49.9	-6.261 -681	+ 21 ± 17	- 66 ± 14	1194
5047	8.1 G0	13 1.17	5.0438 360	57 13 8.3	6.282 696	+ 21 14	- 40 12	1063
5048	8.7 K5	13 3.43	5.0556 363	57 22 32.1	6.285 698	+ 1 14	- 31 12	1062
5049	7.7 F8	13 8.27	5.0890 373	57 48 42.4	6.292 702	0 14	- 49 12	1064
5051	9.4 G0	13 51.51	5.2361 418	59 37 39.3	6.352 722	+ 13 15	- 19 13	1077
5054	8.5 G5	13 55.72	+5.2004 -408	59 12 46.2	-6.358 -716	- 42 ± 13	- 7 ± 11	1078
5055	9.0 G5	14 2.46	4.9307 335	55 41 52.3	6.368 679	- 15 14	- 99 12	1196
5056	8.6 F2	14 23.01	4.8952 328	55 11 47.0	6.395 674	+ 6 16	- 7 12	1197
5057	8.7 K2	14 30.76	5.1443 396	58 33 28.2	6.406 708	+ 20 14	+ 3 12	1035
5058	9.2 G	14 30.85	5.0588 372	57 28 24.2	6.406 696	- 68 17	- 18 15	1066
5060	8.5 K7	14 50.47	+4.8751 -325	54 54 59.9	-6.433 -671	+ 16 ± 12	- 25 ± 10	1142
5061	9.2 G5	14 50.27	5.0389 368	57 13 26.8	6.433 693	- 28 14	+ 17 12	1069
5062	7.3 F8	14 55.73	5.0078 360	56 48 32.4	6.441 689	- 86 14	- 50 12	1207
5063	7.2 K2	15 3.78	5.0055 360	56 46 59.8	6.451 688	+ 5 14	- 7 12	1208
5065	9.1 F2	15 10.25	4.9040 334	55 21 26.2	6.460 674	+ 22 14	- 17 12	1198
5070	7.6 A0	15 57.78	+4.9295 -344	55 45 30.4	-6.526 -677	+ 10 ± 16	- 3 ± 12	1199
5071	8.9 K	15 59.61	5.0177 368	56 59 4.0	6.528 689	+ 8 14	+ 2 12	+ 1072
5074	7.3 K2	16 9.95	5.2088 424	59 23 41.1	6.543 715	+ 14 14	- 17 12	1079
5076	8.6 A2	16 26.22	5.0463 379	57 22 58.4	6.565 693	+ 25 14	- 7 12	1074
5080	8.9 K0	17 35.60	4.9424 356	56 0 32.7	6.661 677	- 7 13	+ 11 10	1212

4996 = PGC 1876. 5003 = PGC 1881. 5031 = PGC 1894 = BDS 3948:6.3,10.8,2".

Epoch of observation, 1916.86

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
5081	8.8 G5	17 42.83	+5.2704 -452	60 9 39.9	-6.671 -722	+.014 ± 15	-.075 ± 13	1056
5082	8.8 F8	17 43.95	5.1767 424	59 4 25.4	6.672 709	+ 55 15	+ 5 13	1081
5083	8.7 K5	17 43.83	5.2207 437	59 35 40.7	6.672 715	+ 20 14	+ 17 12	1080
5084	9.1 K5	17 49.27	4.9436 357	56 2 3.5	6.679 677	+ 21 16	- 4 12	1213
5085	8.4 G0	18 3.71	5.0816 398	57 54 25.4	6.699 696	+ 40 16	+ 2 12	1075
5086	8.9 K0	18 8.36	+4.8965 -346	55 22 3.3	-6.706 -670	+ 21 ± 14	- 17 ± 12	1200
5087	9.3 G5	18 14.50	5.1183 410	58 22 41.7	6.715 701	- 62 14	- 89 12	1039
5088	8.8 A2	18 25.21	4.9820 371	56 35 45.9	6.729 681	- 31 14	- 25 11	1214
5089	8.0 K5	18 53.00	5.0790 401	57 54 23.5	6.767 694	+ 42 12	- 10 10	1076
5093	8.8 F0	19 10.89	5.0709 401	57 48 46.2	6.792 693	- 11 14	- 69 12	1078
5095	8.6 G0	19 27.48	+5.0251 -389	57 13 25.5	-6.814 -686	- 9 ± 16	- 12 ± 12	1080
5099	8.7 G0	19 51.21	5.1210 419	58 28 33.0	6.846 699	+ 69 14	-142 12	1041
5101	9.3 G0	20 0.46	4.9817 379	56 39 28.8	6.860 680	- 10 14	+ 14 12	1217
5102	9.1 A5	20 1.85	5.2191 451	59 39 59.4	6.862 712	- 47 15	+ 27 13	1083
5105	8.7 G0	20 34.84	4.9700 379	56 31 11.9	6.907 677	- 17 16	- 29 12	1218
5106	8.4 G0	20 34.86	+5.2096 -451	59 34 36.4	-6.907 -710	- 43 ± 15	+ 2 ± 13	1084
5112	9.0 K2	21 23.57	4.8479 348	54 46 45.7	6.973 660	+ 17 17	- 33 14	1148
5114	9.0 A0	21 40.34	5.1650 444	59 5 28.5	6.996 703	+ 7 14	+ 3 12	1087
5116	8.9 F2	22 14.74	5.1380 439	58 47 6.3	7.043 698	- 8 13	- 25 11	1045
5121	8.8 G5	22 55.89	5.0778 424	58 3 32.6	7.099 689	+ 9 13	- 7 11	1046
5123	9.1 F0	23 3.84	+4.8471 -356	54 50 25.3	-7.110 -658	+ 28 ± 16	- 47 ± 12	1151
5126	9.0 F8	23 31.17	5.0684 424	57 57 45.8	7.147 688	+ 19 14	- 3 12	+ 1047
5127	8.1 K0	23 34.99	5.2444 481	60 6 2.6	7.153 711	- 49 15	- 11 13	1062
5128	7.4 K0	23 37.61	5.0344 414	57 31 21.1	7.156 683	- 19 16	- 40 12	1083
5130	9.3	24 2.11	5.2184 475	59 49 13.2	7.190 707	- 14 15	+ 15 13	1091
5134	8.8 A0	25 4.92	+4.9675 -401	56 40 49.6	-7.275 -672	- 15 ± 15	- 9 ± 11	1223
5136	8.0 K2	25 6.59	5.2125 480	59 47 50.2	7.277 705	- 3 12	- 20 11	1092
5141	8.6 G5	25 49.60	4.8354 365	54 47 21.2	7.336 653	- 34 17	- 36 14	1157
5142	8.1 A2	25 59.36	4.9625 404	56 39 5.4	7.349 670	- 11 14	- 38 12	1226
5144	7.2 G5	26 27.56	4.9958 417	57 7 50.3	7.387 674	+ 21 16	- 38 12	1085
5145	7.9 G5	26 30.15	+5.0480 -434	57 49 30.9	-7.390 -681	+ 92 ± 16	-175 ± 12	1086
5147*	6.0 K0	26 35.97	4.9164 393	56 1 38.0	7.398 663	+ 15 14	- 28 12	1227
5148	8.8 F5	26 42.49	5.0764 444	58 12 16.9	7.407 685	+ 21 14	- 9 12	1050
5149	8.0 K0	26 47.72	5.0383 433	57 42 51.1	7.414 679	+ 30 16	- 5 12	1087
5150	9.2 G5	26 48.36	4.8439 373	54 57 45.3	7.416 653	- 17 14	- 87 11	+ 1208
5157	9.2 F0	28 5.43	+4.8991 -396	55 50 44.6	-7.520 -659	+ 10 ± 14	+ 27 ± 12	1209
5158	7.8 F5	28 14.09	4.8740 388	55 28 57.0	7.531 656	+ 12 14	- 47 11	1210
5159	9.3 G0	28 48.37	5.0294 441	57 41 14.7	7.578 676	- 79 13	- 82 10	1089
5160	9.5	28 57.98	5.2194 506	60 2 37.8	7.591 701	+ 10 15	+ 6 13	1071
5161	9.2 F0	28 59.06	5.0258 440	57 38 56.4	7.592 675	+ 17 15	- 20 13	1090
5163*	7.5 A2	29 12.70	+5.2012 -501	59 50 33.6	-7.611 -699	+ 13 ± 14	- 5 ± 12	1099
5164	9.0 G5	29 18.88	4.9815 428	57 4 2.2	7.619 669	+ 13 12	+ 17 10	1091
5166	7.5 A0	29 46.48	5.0151 441	57 32 35.1	7.656 673	+ 39 14	- 16 12	1092
5167	8.0 K0	29 47.16	5.1599 490	59 22 43.1	7.657 692	- 9 14	- 23 12	1100
5169*	6.0 K0	30 28.50	4.9994 440	57 21 54.9	7.713 670	+ 4 14	+ 7 12	1093
5171	8.8 A5	30 45.20	+4.9541 -426	56 45 23.9	-7.736 -663	- 29 ± 16	+ 7 ± 12	1230
5173	8.5 K5	31 14.73	4.8349 391	55 2 23.7	7.775 647	- 17 14	- 11 12	1213
5177	6.5 K0	31 47.04	4.8339 393	55 3 4.2	7.818 646	+ 1 14	- 25 12	1214
5180	8.6 B9	32 6.78	4.9724 440	57 4 32.7	7.845 664	- 15 14	- 21 12	1095
5182	8.7 G5	32 13.59	4.8251 392	54 56 17.3	7.854 644	- 26 16	- 56 11	1170

5147 = PGC 1980. 5163 = PGC 1995. 5169 = PGC 2000.

Epochs: Stars 5081 to 5099, 1916.86; stars 5101 to 5182, 1916.46

7^h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
			m s	s	° ' "	"	"	"	
5184*	5.1	A2	32 25.15	+5.1188 -492	58 59 58.1	-7.870 -683			+1103
5186	9.1	F	32 41.80	5.0502 470	58 10 2.2	7.892 674	-.005 ± 13	-.026 ± 11	1056
5187	9.1	K0	32 43.93	5.1560 507	59 28 5.4	7.895 688	+ 16 14	- 23 12	1104
5188	8.9	A2	32 47.40	5.0225 460	57 47 4.8	7.899 670	- 3 14	- 28 12	1097
5189	8.4	K5	32 47.91	5.0873 483	58 37 27.4	7.900 679	0 14	- 12 12	1057
5190	8.7	K2	32 56.15	+4.8199 -394	54 53 39.2	-7.911 -642	+ 17 ± 16	- 50 ± 11	1171
5191	7.9	F0	33 5.32	5.1638 512	59 34 43.7	7.923 688	+ 26 14	+ 11 12	1105
5192	9.2	F8	33 6.44	4.9270 430	56 29 22.6	7.925 657	- 12 14	- 52 12	1232
5193	9.1	G0	33 28.46	4.8297 400	55 4 18.9	7.954 643	+ 49 16	- 9 12	1216
5194	8.8	A2	33 43.37	4.9693 447	57 6 40.1	7.974 661	+ 15 13	- 11 11	1098
5197	9.4		34 24.37	+5.2063 -536	60 8 28.6	-8.029 -692	- 45 ± 15	- 24 ± 13	1076
5206	8.3	F5	35 10.90	4.9158 436	56 26 1.6	8.092 652	- 56 16	- 21 12	1235
5207	8.6	A0	35 13.15	4.9496 448	56 54 49.6	8.094 657	+ 9 16	+ 5 12	1236
5210	7.6	A0	35 55.55	4.8792 428	55 56 23.5	8.151 646	+ 19 16	- 32 12	1218
5211	9.2	F2	36 7.33	5.1827 537	59 56 45.7	8.166 687	+ 27 14	- 82 12	1106
5212	8.7	F5	36 7.31	+5.0904 -503	58 49 25.7	-8.167 -675	- 17 ± 14	- 20 ± 12	1064
5213	9.1	K2	36 33.50	4.9548 457	57 3 14.2	8.201 656	+ 13 14	- 28 12	1102
5215	7.9	K0	36 54.10	4.8659 428	55 47 36.9	8.229 643	- 5 14	- 39 12	1220
5216	7.7	Ma	36 55.48	4.8689 429	55 50 27.7	8.231 644	- 15 14	- 12 12	1221
5219	8.0	K0	37 27.52	4.9030 444	56 22 1.4	8.273 648	+ 56 14	- 11 12	1238
5220	8.6	G5	37 34.68	+4.8944 -441	56 14 53.7	-8.283 -646	- 12 ± 14	- 20 ± 12	1239
5222	7.5	F0	37 52.02	5.1289 528	59 23 15.9	8.306 677	0 14	+ 9 12	1108
5223	9.3	K0	38 0.92	4.9796 474	57 28 8.7	8.318 657	- 1 16	- 18 12	1103
5224	9.3	F5	38 2.95	5.1662 543	59 50 46.8	8.321 682	- 35 14	- 18 12	1110
5227	8.6	K2	38 33.02	4.9559 468	57 10 16.7	8.360 654	+ 67 16	- 71 12	1104
5228	9.2	A7	38 32.83	+5.0182 -491	58 0 51.4	-8.360 -662	- 3 ± 14	- 50 ± 12	1066
5229	7.3	G5	38 36.75	4.9495 466	57 5 8.8	8.365 653	+ 39 14	- 21 11	1105
5231	7.8	F5	39 12.02	4.8343 429	55 26 32.9	8.412 636	+ 42 16	- 1 12	1223
5233	8.5	G0	39 36.54	4.8891 450	56 16 47.5	8.444 643	- 14 16	- 3 12	1240
5235	7.9	F0	39 58.57	5.1182 536	59 21 45.4	8.473 673	+ 15 14	- 59 12	1112
5238	9.1	K2	40 32.43	+4.8626 -445	55 56 20.0	-8.518 -638	+ 7 ± 16	- 21 ± 12	1225
5240	8.4	K2	40 57.44	4.9123 465	56 41 10.2	8.551 644	- 11 16	- 3 12	1241
5242	7.2	K5	41 22.81	4.8006 427	55 2 38.3	8.585 629	- 16 16	- 26 12	1226
5243	7.2	K0	41 24.79	5.1494 558	59 48 52.5	8.587 675	+ 6 14	- 74 12	1113
5244	9.3	G5	41 25.72	4.8704 452	56 6 11.1	8.589 638	- 58 13	- 38 11	—
5247	9.1	G0	41 34.09	+4.8750 -455	56 10 43.0	-8.600 -638	- 25 ± 14	- 10 ± 10	1244
5250	8.5		42 0.03	5.1681 568	60 4 3.7	8.634 677	- 15 14	- 49 12	1088
5251	7.4	K2	42 12.85	4.9533 487	57 19 54.4	8.650 648	+ 17 14	- 1 12	1110
5253	6.4	A0	42 36.86	4.8275 443	55 31 31.4	8.682 631	+ 3 13	- 65 10	1228
5254	8.2	K0	42 39.39	5.0763 536	58 58 49.0	8.686 663	- 22 14	- 72 12	+1115
5255	8.7	G5	43 14.07	+4.8732 -462	56 14 40.1	-8.731 -636	+ 7 ± 14	- 34 ± 12	1247
5256	7.5	F0	43 18.59	5.0385 525	58 31 54.2	8.737 657	- 44 12	- 33 12	1072
5258	9.1	K5	43 23.83	5.1465 568	59 53 2.2	8.744 672	- 33 14	- 18 12	1116
5261	8.4	K0	43 35.00	5.0948 549	59 15 44.6	8.759 665	- 20 14	- 3 12	1117
5262	8.9	G5	43 41.48	5.0800 544	59 4 48.9	8.766 662	+174 14	-124 12	1118
5263	8.9	M0	43 41.64	+4.8724 -464	56 15 34.0	-8.767 -635	+ 9 ± 14	+ 3 ± 12	1249
5264	9.0		43 43.92	5.0824 545	59 6 53.4	8.770 663	- 5 14	- 1 12	1119
5266	8.9		43 59.89	5.1638 579	60 7 15.6	8.791 673	- 43 13	- 88 11	1090
5269	7.2	G5	44 18.77	4.7897 437	55 2 11.3	8.815 624	+ 63 16	-120 12	1230
5270	8.5	G5	44 22.51	5.1289 567	59 43 24.9	8.821 668	+ 31 15	- 42 13	1121

5184 = PGC 2010.

Epoch of observation, 1916.46

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5272	9.2	44 29.46	+ 5.1566 - 580	60 3 41.6	- 8.830 - 671	.000 ± 15	-.050 ± 13	1093
5273	8.9 K7	44 36.05	5.1208 566	59 38 16.5	8.839 667	- 35 15	- 2 13	1122
5274	8.4	44 47.59	5.1583 582	60 5 54.9	8.854 671	- 19 15	- 29 13	1094
5275	9.2 A5	45 6.73	5.0644 546	58 57 46.8	8.879 658	- 2 13	- 7 11	+ 1123
5277*	8.2 B9	45 10.14	5.0541 542	58 50 3.5	8.883 657	+ 33 17	- 46 15	1073
5280	8.0 F5	45 43.55	+ 5.1460 - 583	60 0 6.1	- 8.927 - 669	- 21 ± 15	- 32 ± 13	1097
5281	9.2 G5	45 46.13	5.0222 533	58 27 13.8	8.930 652	- 28 14	- 87 12	1074
5283	8.5 K2	45 55.80	5.0099 529	58 18 1.0	8.943 650	- 17 14	- 57 12	1075
5285*	6.8 A0	46 18.20	4.9016 489	56 49 48.9	8.972 635	- 14 14	- 26 12	1253
5289	8.9 G5	46 29.33	5.1273 580	59 49 2.6	8.987 665	- 72 14	- 104 12	1124
5290	9.3 F5	46 37.32	+ 5.0436 - 546	58 46 48.1	- 8.997 - 654	+ 36 ± 14	- 18 ± 12	1076
5291	8.5 G0	46 39.50	4.8803 483	56 32 23.3	9.000 632	- 114 15	- 343 12	1254
5293	8.6	46 49.60	5.1385 587	59 58 19.9	9.013 666	- 51 15	- 14 13	+ 1099
5294	8.3 K2	46 50.16	4.8654 478	56 20 7.4	9.014 630	- 41 16	- 7 12	1255
5295	9.4 G	47 4.52	4.9068 495	56 56 59.1	9.032 635	+ 31 14	- 11 12	+ 1114
5297	9.0 G5	47 8.47	+ 5.1282 - 584	59 51 51.2	- 9.037 - 664	+ 13 ± 14	- 56 ± 12	1126
5298	9.3 G5	47 19.33	4.9026 494	56 54 13.1	9.052 634	- 6 16	+ 8 12	1256
5299	9.0 G0	47 34.97	4.7997 457	55 23 10.3	9.072 620	- 13 16	+ 42 12	1233
5300	8.8 F0	47 52.96	4.8049 460	55 29 1.6	9.095 620	+ 7 14	- 39 12	1234
5302	8.2 K0	47 55.33	4.7740 449	55 0 9.6	9.098 616	+ 37 16	- 4 12	1235
5303	8.9 K0	48 0.98	+ 4.9097 - 501	57 2 44.7	- 9.105 - 634	+ 55 ± 14	+ 1 ± 12	1115
5304	8.7 F8	48 2.14	4.8607 482	56 20 8.5	9.107 628	- 27 14	- 68 12	1257
5307	9.1 K0	48 52.65	4.8169 470	55 43 36.8	9.172 621	+ 56 14	- 13 12	1236
5308	8.5 G0	48 56.22	5.0536 564	59 2 15.8	9.178 651	- 18 14	- 47 12	1127
5309	9.0 G0	48 58.14	5.0228 552	58 38 36.6	9.180 647	- 21 14	+ 31 12	1079
5310	9.5 G5	49 20.39	+ 4.8894 - 500	56 49 54.4	- 9.208 - 629	+ 47 ± 14	- 13 ± 11	1258
5311	8.5 A2	49 37.46	5.0700 575	59 17 5.6	9.231 653	- 16 14	- 3 12	1128
5315	8.9 K0	50 24.11	5.0610 576	59 12 53.3	9.291 650	+ 61 14	- 74 12	1129
5316	9.0 F8	50 26.27	5.0167 558	58 38 50.0	9.294 644	+ 8 14	- 40 12	1081
5317	8.8 F8	50 34.71	4.8158 478	55 48 49.9	9.305 618	+ 35 16	- 17 12	1237
5319	9.1 F8	50 51.04	+ 4.8883 - 508	56 54 24.1	- 9.326 - 627	+ 51 ± 14	- 9 ± 11	1259
5320*	6.3 F2	50 51.38	5.0723 584	59 23 4.1	9.326 651	+ 27 14	+ 34 12	1130
5324	8.6 F8	51 15.78	4.9130 520	57 17 1.4	9.358 630	- 26 14	- 85 12	1117
5326	9.1 G0	51 21.77	4.8684 502	56 38 53.8	9.366 624	- 22 16	- 27 12	1260
5328	9.4 G0	51 27.34	4.8605 499	56 32 13.6	9.372 623	+ 56 17	- 30 14	1261
5331	9.0 G0	51 32.93	+ 4.8239 - 486	55 59 41.2	- 9.380 - 618	- 35 ± 14	- 79 ± 12	+ 1262
5332	8.7 G5	51 40.55	4.9917 554	58 23 21.8	9.390 639	+ 5 14	- 22 12	1083
5333	8.5 F5	51 42.01	5.0469 578	59 6 38.4	9.391 647	+ 67 14	- 25 12	1131
5334	9.2 G0	51 43.93	4.8603 501	56 33 1.7	9.394 622	+ 49 14	- 13 12	1263
5335	8.7 A0	51 45.92	4.8358 491	56 11 18.6	9.397 619	+ 15 14	- 42 12	1264
5341	9.4 G	52 15.71	+ 4.7811 - 472	55 22 44.8	- 9.435 - 611	+ 16 ± 14	- 24 ± 12	1239
5342*	8.5 A0	52 17.11	4.7543 462	54 57 22.2	9.437 608	+ 25 14	- 43 12	+ 1240
5343*	6.3 G0	52 24.12	4.9318 533	57 36 59.6	9.446 630	- 30 14	- 66 12	1118
5345	9.3 K2	52 42.47	5.0449 583	59 8 41.3	9.469 645	+ 13 14	- 10 12	1134
5346	8.4 K5	52 43.92	4.7446 460	54 49 39.9	9.471 606	+ 49 14	- 38 12	1189
5350	9.4 G	53 37.61	+ 5.0185 - 577	58 51 34.6	- 9.541 - 640	- 32 ± 14	- 7 ± 12	1085
5351	9.5 G	53 43.88	5.0061 572	58 42 12.6	9.548 638	- 2 14	+ 8 12	1086
5352	9.0 K5	53 50.44	5.0197 579	58 53 11.4	9.557 639	+ 25 14	- 20 12	1087
5354	9.1 K0	53 58.77	4.8428 505	56 25 52.7	9.567 617	+ 12 14	- 11 11	1265
5355	8.9 K2	54 26.69	4.9759 563	58 20 38.9	9.604 633	- 41 14	- 28 12	1089

5277 = BDS 13144: 8.9, 9.0, 0".3.
5342 = BDS 4365: 8.6, 10.9, 1".

5285 = PGC 2085.
5343 = PGC 2112.

5320 = PGC 2101.
Epoch, 1916.46

7^h-8^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5357*	8.6 F8	54 37.37	+ 5.0073 - 578	58 46 20.7	- 9.617 - 637	-.010 ± 14	-.035 ± 12	1090
5360	9.1 K0	54 49.27	4.9637 560	58 12 8.3	9.633 631	- 86 15	- 75 13	1091
5361	7.5 G5	54 51.96	4.7997 492	55 49 57.8	9.636 610	+ 8 16	- 3 12	1243
5363*	7.3 F5	54 56.20	4.9574 558	58 7 24.8	9.642 630	- 74 15	- 110 13	1093
5364	8.5 K7	55 4.42	4.7825 486	55 34 45.6	9.651 607	+ 12 16	- 46 12	1244
5365	7.1 A0	55 34.23	+ 5.0673 - 610	59 35 56.3	- 9.690 - 643	- 18 ± 14	+ 13 ± 12	1136
5366	9.2 F5	55 39.99	4.7605 481	55 16 13.4	9.697 603	- 10 16	- 17 12	1245
5367	8.2 A2	55 45.79	4.9826 574	58 30 52.3	9.704 632	- 15 14	+ 2 12	1094
5370	9.2 G0	56 7.39	4.8833 533	57 9 29.9	9.732 618	- 36 14	- 70 12	1120
5371	9.2 F8	56 16.30	5.0519 607	59 26 54.5	9.744 640	- 42 15	+ 12 13	1138
5373	8.5 A2	56 49.05	+ 4.7319 - 475	54 53 11.2	- 9.785 - 598	+ 21 ± 16	- 16 ± 12	1197
5376	9.0 F8	57 1.60	5.0852 627	59 54 33.9	9.801 643	- 47 12	- 41 11	1139
5377	9.0 A2	57 6.51	4.8633 530	56 55 52.1	9.807 614	+ 19 14	+ 14 12	1266
5379	9.3 G5	57 16.99	5.0831 628	59 53 59.7	9.821 642	- 42 12	- 41 10	1141
5380	7.4 K0	57 32.19	4.7772 496	55 39 22.2	9.840 603	+ 25 14	- 3 12	1247
5382	8.8 K0	57 52.88	+ 4.7928 - 505	55 55 14.8	- 9.866 - 604	+ 18 ± 16	- 71 ± 12	1250
5383	8.9 F0	58 1.37	4.8509 530	56 48 31.9	9.877 611	- 12 14	- 18 12	1267
5384	8.4 G5	58 13.45	5.0159 603	59 6 22.2	9.893 632	- 62 15	- 14 13	1142
5385	8.2 G5	58 22.42	4.9800 588	58 38 36.3	9.904 627	0 14	+ 12 12	1095
5388	8.7 G0	58 44.15	4.7828 505	55 49 20.7	9.931 602	+ 54 16	- 25 12	1251
5389*	9.0 A2	58 48.74	+ 4.9546 - 579	58 19 40.8	- 9.937 - 623	- 11 ± 14	- 45 ± 12	1098
5390	8.6 G0	58 54.77	4.7568 495	55 25 31.0	9.945 598	- 38 13	- 112 14	1252
5391	9.2 K0	59 7.76	4.9779 591	58 39 42.3	9.961 626	- 58 14	- 73 12	1099
5392	9.3 G5	59 11.58	4.9798 592	58 41 29.9	9.966 626	- 27 14	- 1 12	1100
5393	9.6 F2	59 19.08	4.9792 593	58 41 29.0	9.976 626			1101
5395	8.4 G0	59 37.19	+ 4.7608 - 500	55 32 3.1	- 9.998 - 597	0 ± 14	- 145 ± 12	1253
5396	6.9 F0	59 37.51	4.7659 502	55 36 59.4	9.999 598	- 3 14	- 40 12	1254
5398	6.4 K0	59 47.55	4.9709 592	58 36 39.4	10.012 624	- 23 14	- 57 12	1102
5400	8.6 G0	0 14.81	4.9168 570	57 53 54.3	10.046 617	- 15 14	- 167 12	1123
5401	7.5 A2	0 17.21	4.7984 519	56 10 2.9	10.049 601	- 10 14	- 58 11	1269
5402	8.0 K0	0 19.53	+ 5.0405 - 627	59 33 19.2	- 10.052 - 632	- 14 ± 15	+ 27 ± 13	1144
5403	9.0 G5	0 20.90	4.9112 568	57 49 38.3	10.054 616	- 41 14	- 9 12	1124
5404	8.8 A5	0 28.38	4.7910 517	56 3 58.5	10.063 600	- 35 14	+ 17 12	1270
5405	9.4 F	0 34.31	4.7914 518	56 4 41.8	10.070 600	+ 42 16	+ 5 12	——
5406	8.8 F5	0 40.50	4.7327 493	55 9 26.5	10.078 592	+ 37 16	- 33 12	1255
5407	7.9 K2	0 48.00	+ 4.9761 - 600	58 44 43.3	- 10.088 - 623	- 18 ± 14	- 11 ± 12	1103
5408	8.5 G0	0 54.36	4.8204 532	56 32 35.3	10.095 603	+ 60 14	- 48 12	1272
5409	8.6 G0	0 58.99	4.7531 503	55 30 18.5	10.102 594	- 5 16	- 125 12	1256
5411	9.0 F8	1 29.36	4.7730 514	55 51 16.4	10.140 596	+ 15 14	- 10 12	1258
5412	9.2 F8	1 30.79	4.8114 531	56 26 51.7	10.141 601	+ 22 15	+ 2 11	1273
5414	6.9 G5	1 32.51	+ 4.7138 - 490	54 54 25.5	- 10.143 - 588	+ 115 ± 14	- 98 ± 12	1208
5419	8.9 F5	2 35.75	4.8022 532	56 22 53.0	10.223 598	+ 23 17	+ 6 11	1274
5420	9.1	2 37.43	5.0600 650	59 56 44.9	10.225 630	+ 12 15	- 20 13	+ 1116
5423	8.0 F0	3 6.51	4.7749 523	55 59 41.8	10.262 594	- 3 14	- 16 11	+ 1275
5424	7.0 F2	3 22.05	4.8331 550	56 53 56.6	10.281 600	+ 19 13	- 48 11	1276
5425	9.0 K0	3 35.35	+ 4.7884 - 531	56 14 14.6	- 10.298 - 595	+ 20 ± 14	- 4 ± 12	1277
5428*	5.3 K0	3 51.67	4.8258 549	56 49 26.8	10.318 599	+ 2 14	- 27 11	1278
5430	8.3 K0	4 10.07	5.0038 633	59 19 47.8	10.341 621	+ 29 14	- 31 12	1149
5432	9.3 F8	4 21.26	4.9088 590	58 3 36.7	10.355 609	- 24 14	- 33 12	1106
5435	8.8 F5	4 46.42	5.0105 640	59 27 24.3	10.387 620	+ 2 14	- 44 12	1150

5357 = BDS 13147: 9.2, 9.6, 0".4.
5428 = PGC 2162.

5363 = PGC 2129.

5389 = BDS 13151: 9.1, 11.4, 2".
Epoch of observation, 1916.46

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5439	8.7 G0	4 59.35	+5.0152 -644	59 31 55.0	-10.403 -621	-.065 ± 14	-.067 ± 12	1151
5447	7.7 G5	6 6.86	4.8595 577	57 28 34.5	10.489 599	-281 14	-231 12	1128
5448	9.0 G5	6 12.41	4.8566 576	57 26 31.2	10.493 599	+ 59 14	+ 33 12	1129
5449	8.2 G5	6 13.86	5.0145 651	59 36 23.2	10.496 619	- 33 14	- 7 12	1152
5452*	6.7 K0	6 37.15	5.0096 651	59 34 5.8	10.524 617	+ 18 12	- 17 11	1154
5453	9.1	6 39.06	+5.0114 -652	59 35 40.9	-10.527 -618	- 40 ± 14	+ 29 ± 12	1153
5456	9.1 G0	7 4.89	5.0095 654	59 35 52.9	10.558 617	+ 61 14	- 27 12	1155
5457	8.9 F8	7 11.16	4.7208 520	55 25 16.7	10.567 581	- 77 16	-101 12	1263
5459*	6.2 A5	7 26.44	5.0352 669	59 57 6.8	10.586 619	- 16 15	- 16 13	+1124
5464	8.9 G0	8 19.76	4.7927 558	56 38 18.2	10.652 587	+ 8 16	- 24 12	1285
5468	9.4 A0	8 26.62	+4.9169 -617	58 27 17.2	-10.660 -603	+ 19 ± 14	+ 10 ± 12	1110
5469*	9.1	8 29.79	5.0304 673	59 57 44.8	10.664 617	- 37 15	- 45 13	+1127
5470	9.2 F8	8 33.29	4.6876 512	54 58 31.1	10.668 575	+ 40 15	- 14 11	+1264
5472	6.7 A5	8 47.44	4.6849 512	54 56 51.0	10.685 574	+ 42 14	- 45 12	+1265
5474	6.6 K5	9 4.86	4.7892 560	56 38 21.3	10.707 586	+ 10 14	+ 29 12	1287
5476	9.5 G0	9 17.99	+4.8839 -606	58 3 3.9	-10.723 -598	+ 27 ± 14	- 47 ± 12	1111
5477	8.9 K2	9 25.17	4.7394 539	55 53 7.5	10.732 579	+ 20 14	- 12 11	1266
5478*	8.8 G5	9 25.93	4.8005 567	56 50 12.1	10.733 587	+ 43 14	+ 33 11	1288
5480	9.5 G0	9 38.98	4.8576 595	57 41 59.0	10.749 594	+ 37 13	- 36 10	1130
5481	9.1 G0	9 51.04	4.9941 663	59 35 21.3	10.765 610	- 56 14	- 69 12	1158
5483	8.9 K0	9 57.33	+5.0129 -673	59 50 20.9	-10.772 -612	- 55 ± 14	- 50 ± 12	1159
5485	7.4 G5	10 17.39	4.8539 597	57 41 32.3	10.797 592	0 14	- 10 12	1131
5486*	6.2 F2	10 19.95	4.8843 612	58 7 50.4	10.799 596	+112 12	+ 14 10	1112
5487	8.4 G0	10 20.08	4.7169 533	55 35 27.1	10.800 575	+ 21 16	+ 2 12	1267
5489	8.2 F0	10 50.92	4.8273 587	57 20 31.7	10.838 588	+ 28 13	- 41 11	1132
5490	9.1 K5	11 1.89	+4.7052 -532	55 27 6.0	-10.851 -573	+ 31 ± 16	- 21 ± 12	1268
5492	8.2 A0	11 25.82	4.9778 664	59 29 8.8	10.881 605	- 8 14	- 15 12	1161
5493	8.5 G	11 27.23	4.6991 531	55 23 2.3	10.882 571	- 6 12	+ 2 10	1269
5494	9.3 G5	11 42.86	4.6940 530	55 19 1.4	10.901 570	+ 80 14	- 97 12	1270
5495	9.5 F8	11 54.07	4.8600 609	57 53 49.0	10.915 589	- 27 14	- 7 12	1133
5496	7.1 G5	12 0.77	+4.7999 -580	57 1 1.3	-10.923 -582	- 27 ± 14	- 67 ± 12	1134
5499	8.5 F5	12 14.69	4.7163 542	55 43 30.4	10.941 572	- 53 16	+ 2 12	1271
5500	7.4 G5	12 19.61	4.8124 588	57 13 46.0	10.946 583	+ 8 14	- 11 12	1135
5505	8.9 K5	13 3.16	4.7819 577	56 49 10.7	10.999 578	+ 3 16	- 10 12	1289
5506	8.7 G0	13 4.48	4.7845 579	56 51 43.0	11.001 579	+ 32 16	+ 14 12	1290
5508	7.7 G5	13 37.28	+4.6660 -526	54 59 46.4	-11.041 -563	- 15 ± 14	- 48 ± 11	+1273
5511	8.9	13 49.17	4.8432 611	57 47 47.4	11.056 585	- 13 14	+ 31 12	1136
5512	8.0 F2	13 49.16	4.8443 612	57 48 45.6	11.056 585	- 62 13	+ 52 10	1137
5515	9.2 F	14 43.26	4.9980 695	59 59 5.3	11.121 602	+ 28 14	- 9 12	+1130
5520	7.9 F5	15 31.68	4.6531 529	54 55 37.2	11.180 558	+ 6 14	- 54 12	1222
5521	8.6 F0	15 39.44	+5.0024 -704	60 6 29.3	-11.189 -601	+ 33 ± 14	- 18 ± 12	1132
5522	8.7 K5	15 39.72	4.7280 565	56 10 29.3	11.190 567	- 25 16	+ 8 12	1295
5526	9.2 K0	16 7.17	4.7343 570	56 18 42.0	11.223 567	- 10 14	+ 6 11	1296
5527	8.6 K0	16 13.62	4.7020 556	55 47 55.4	11.231 563	- 38 16	- 82 12	1275
5528	8.8 K2	16 47.94	4.7704 592	56 55 45.0	11.272 571	+ 43 14	- 4 12	1297
5534	8.4 F8	17 10.41	+4.9708 -697	59 48 33.9	-11.300 -594	- 84 ± 14	-119 ± 12	1165
5538	8.1 G5	17 26.55	4.8799 650	58 35 36.3	11.318 583	+ 52 14	- 7 12	1120
5539	9.5 A7	17 26.81	4.9172 670	59 6 43.6	11.319 587	0 14	- 33 12	1166
5540	8.2 F2	17 43.56	4.7786 601	57 7 39.2	11.339 570	+ 26 14	- 29 12	1139
5541	9.3 G5	17 48.44	4.7924 608	57 20 38.6	11.345 571	- 8 14	+ 8 12	1140

5452 = PGC 2182.
5478 = BDS 4526:9.4,9.7,1".
5459 = PGC 2185.
5486 = PGC 2197.
5469 = BDS 4517:9.3,11.3,0".3.
Epoch of observation, 1916.46

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5542	7.5 K0	17 58.10	+4.6813 - 554	55 35 43.1	- 11.356 - 558	+.046 ± 14	-.028 ± 12	1276
5544	9.0 K0	18 0.66	4.8084 617	57 35 59.6	11.360 573	- 6 14	- 20 12	1141
5547	8.1 K	18 4.98	4.9166 673	59 9 7.2	11.365 586	- 56 14	- 52 12	1167
5549	8.0 F0	18 26.35	4.7675 599	57 0 41.6	11.390 567	+ 95 14	- 127 12	1142
5550	8.2 G0	18 30.56	4.9197 678	59 13 34.7	11.396 586	- 8 14	- 37 12	1168
5551	9.2 K0	18 37.04	+4.7160 - 574	56 12 52.8	- 11.403 - 561	- 22 ± 21	- 16 ± 18	1301
5552	8.7 K2	18 45.14	4.6481 542	55 6 0.3	11.413 552	- 12 14	- 35 12	1277
5554	8.4 F8	18 51.04	4.9629 703	59 49 51.6	11.420 590	- 10 15	- 75 13	1170
5555	6.8 K0	19 4.48	4.7684 603	57 4 35.8	11.436 566	+ 8 14	- 19 12	1143
5557	9.4 G5	19 26.35	4.7843 613	57 20 58.2	11.463 568	- 41 14	- 61 12	1145
5558	8.5 K2	19 46.09	+4.6786 - 562	55 41 46.2	- 11.486 - 554	+ 38 ± 14	- 19 ± 12	1279
5561	9.4 F0	20 13.76	4.9439 701	59 41 0.3	11.519 585	- 10 13	- 41 11	1171
5563	9.0 F5	20 45.15	4.9454 705	59 44 33.4	11.556 584	+ 51 14	- 124 12	1172
5564	9.4 F5	20 46.64	4.8892 675	58 58 50.9	11.558 578	- 12 15	- 24 13	+ 1173
5565	9.0 K5	20 48.82	4.8092 633	57 50 0.6	11.561 568	- 2 14	- 7 12	1147
5570	9.3 K0	21 16.51	+4.6845 - 572	55 54 56.4	- 11.593 - 553	+ 69 ± 16	- 43 ± 12	1282
5572	8.8 G0	21 18.05	4.8421 653	58 21 10.6	11.596 571	- 50 14	- 62 12	1126
5573	9.2 K0	21 18.48	4.8651 665	58 41 2.0	11.596 574	- 5 14	- 46 12	1125
5574	9.5 A0	21 21.95	4.7844 623	57 30 16.9	11.600 564	+ 22 14	- 31 12	1148
5575	7.8 A0	21 33.02	4.6508 557	55 22 28.9	11.613 548	+ 11 16	- 45 12	1283
5577	7.9 K0	22 0.21	+4.6977 - 583	56 11 33.6	- 11.646 - 553	+ 5 ± 14	- 10 ± 12	1305
5578	9.3 G5	22 2.54	4.7678 618	57 18 14.7	11.648 561	+ 37 14	- 61 12	1149
5580	9.3 F8	22 41.22	4.7250 600	56 41 18.0	11.694 555	+ 63 16	- 55 12	1306
5581	8.0 G5	22 45.01	4.7533 615	57 8 20.7	11.699 558	+ 46 14	- 47 12	1150
5583	8.5 K7	23 24.49	4.8689 680	58 54 15.7	11.746 570	- 8 14	- 23 12	1130
5584	7.6 K0	23 27.07	+4.6652 - 574	55 46 32.8	- 11.749 - 546	+ 10 ± 13	- 74 ± 10	1284
5585	9.1	23 29.53	4.6651 574	55 46 41.2	11.752 546	- 15 14	- 70 12	
5586	9.5 G0	23 39.97	4.7060 595	56 27 58.7	11.764 551	- 47 16	- 69 12	1308
5587	9.2	23 45.90	4.9524 728	60 4 10.2	11.771 580	+ 49 15	- 46 13	1138
5588	8.3 G	23 50.89	4.7379 613	56 59 19.9	11.777 554	+ 42 14	+ 13 12	+ 1151
5589	7.0 A0	23 51.38	+4.8753 - 686	59 1 44.0	- 11.778 - 571	- 42 ± 14	- 71 ± 12	1176
5591	8.8 A2	24 20.77	4.8865 695	59 13 33.2	11.812 571	- 4 14	- 5 12	1177
5592*	8.0 A0	24 22.83	4.7580 626	57 20 45.0	11.815 556	- 33 14	- 50 12	1152
5595	9.3 A2	25 39.29	4.6364 570	55 28 40.1	11.904 539	0 16	- 23 12	1286
5597	8.8 G5	26 17.41	4.7359 625	57 9 46.0	11.949 550	- 28 14	- 35 12	1154
5598	9.0 A5	26 22.49	+4.8600 - 693	59 1 7.3	- 11.955 - 564	- 39 ± 14	- 59 ± 12	1181
5602	8.5 F0	27 0.65	4.8269 678	58 35 47.6	12.000 559	- 12 14	- 49 12	1136
5603	8.4 G5	27 24.40	4.7703 649	57 47 18.4	12.028 552	- 12 14	- 53 12	1155
5604	8.4 K2	27 24.33	4.6744 598	56 16 6.3	12.028 540	- 29 14	- 12 12	1312
5605	9.0 G5	27 27.57	4.7140 619	56 54 52.8	12.031 545	+ 45 14	+ 7 12	1313
5607	8.8 G0	27 42.71	+4.7239 - 626	57 5 39.0	- 12.049 - 546	+ 31 ± 13	- 48 ± 11	1156
5608	7.7 F0	27 45.79	4.6816 604	56 24 59.9	12.053 540	- 23 15	- 40 11	1314
5609	8.8 G	27 53.69	4.7314 631	57 13 38.3	12.062 546	- 24 14	- 36 12	1157
5611	9.2	28 30.69	4.9219 741	60 2 42.9	12.105 567	+ 11 15	- 24 13	1147
5614	9.3 F5	29 1.32	4.5900 563	54 57 54.0	12.140 528	- 25 14	- 68 12	+ 1287
5618	8.7 K7	29 22.27	+4.8202 - 688	58 41 45.6	- 12.165 - 554	- 4 ± 14	- 42 ± 12	1140
5619	8.9 G0	29 21.98	4.8318 695	58 51 51.9	12.165 555	- 66 14	- 45 12	1139
5620	9.4 G0	29 31.17	4.7240 636	57 15 3.2	12.175 542	- 19 14	- 21 12	1159
5623	9.0 K2	30 12.16	4.6802 616	56 36 26.0	12.222 536	+ 9 14	- 13 12	1318
5625	7.9 K0	30 14.64	4.9096 745	60 1 21.2	12.225 562	- 43 15	- 60 13	1149

5592 = BDS 4656: 8.2, 10.2, 1".

Epoch of observation, 1916.46

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5627	9.3 F8	30 25.30	+4.6979 - 627	56 54 48.3	- 12.237 - 538	+.053 ± 14	+.009 ± 12	1320
5630	8.9 G0	31 8.81	4.6521 606	56 13 33.0	12.288 531	- 72 16	- 94 12	1321
5631	8.4 G0	31 9.01	4.6456 602	56 6 51.1	12.289 530	- 225 13	- 367 10	1322
5635	7.2 G5	31 23.67	4.8654 726	59 30 42.7	12.305 555	- 67 14	- 94 12	1183
5639	9.1 K2	31 43.08	4.5885 575	55 10 50.7	12.327 523	+ 47 14	- 53 11	1288
5644	8.4 G5	32 1.41	+4.7025 - 638	57 7 45.3	- 12.348 - 535	+ 5 ± 14	- 29 ± 12	1162
5645	7.9 F0	32 5.15	4.8581 726	59 28 13.6	12.353 553	- 52 14	- 26 12	1184
5649	8.9 G0	32 45.55	4.6627 620	56 32 57.2	12.399 529	- 41 16	+ 20 12	1323
5650	9.1 G0	32 47.89	4.8442 723	59 20 1.2	12.403 550	- 154 15	- 171 13	1185
5652	8.6 B9	33 2.85	4.6783 630	56 49 51.8	12.419 531	+ 14 14	+ 8 12	1324
5654	9.0 F2	33 44.62	+4.8372 - 724	59 19 1.0	- 12.467 - 547	- 16 ± 14	- 9 ± 12	1186
5660	8.6 F0	34 27.83	4.7430 674	57 59 5.8	12.516 535	0 14	+ 20 12	+ 1144
5662	9.1 K0	34 32.55	4.6176 605	55 57 2.5	12.521 521	- 12 14	- 9 12	+ 1326
5665	8.5 G	35 14.99	4.6159 607	55 59 9.3	12.569 519	+ 90 14	+ 27 12	+ 1328
5666	9.1 K0	35 38.70	4.7791 702	58 38 15.8	12.596 537	+ 25 14	+ 16 12	1145
5667	9.0 K0	35 42.16	+4.8225 - 728	59 16 46.2	- 12.600 - 542	- 10 ± 12	- 31 ± 11	1190
5668	8.8 K0	35 50.51	4.7039 660	57 29 52.2	12.610 528	- 5 14	- 25 12	1165
5669	8.4 K0	35 53.30	4.7187 668	57 44 9.0	12.613 529	0 13	- 33 11	1166
5670	7.9 F5	35 55.67	4.7785 703	58 39 13.4	12.615 536	+ 59 14	- 12 12	1146
5671	8.9 G0	36 3.54	4.6934 655	57 20 55.3	12.624 526	+ 17 14	- 9 12	1168
5673	7.6 A0	36 15.85	+4.7261 - 675	57 53 6.8	- 12.639 - 530	- 5 ± 14	- 3 ± 12	1169
5677	9.3 F8	36 34.34	4.6915 656	57 21 57.4	12.660 525	- 23 14	- 13 12	1170
5678*	9.2 G5	37 4.49	4.7382 686	58 8 57.4	12.694 530	- 157 14	+ 50 12	1148
5682	9.3 G0	38 21.40	4.6213 626	56 22 16.8	12.780 514	- 15 14	- 15 12	1333
5683	8.9 A0	38 27.44	4.5351 579	54 51 7.3	12.787 504	+ 32 17	- 44 11	1254
5685	9.3 F8	38 41.87	+4.6045 - 619	56 6 53.9	- 12.803 - 511	- 13 ± 16	- 36 ± 12	1334
5690	8.1 K2	39 30.59	4.6392 642	56 47 4.4	12.858 514	+ 25 14	+ 14 12	1336
5694	8.7 K2	40 1.68	4.7177 691	58 6 12.8	12.893 522	- 17 14	- 28 12	1150
5697	8.9 K0	40 43.18	4.5410 593	55 10 56.6	12.939 501	+ 41 15	- 16 11	1294
5701	9.4 F8	41 6.86	4.7921 743	59 19 48.5	12.965 527	- 50 14	- 48 12	1193
5702	9.2 G5	41 18.02	+4.6252 - 644	56 43 19.7	- 12.978 - 509	+ 6 ± 14	- 15 ± 10	1338
5705	9.3 G0	41 28.17	4.7899 744	59 19 50.3	12.989 526	- 10 14	- 62 12	1194
5706	9.3 G5	41 34.84	4.7880 743	59 18 47.1	12.996 526	+ 4 14	- 45 12	1195
5707	8.2 K0	41 41.78	4.7548 723	58 49 50.2	13.004 522	- 7 14	- 13 12	1152
5708*	7.6 F0	41 44.34	4.7001 690	57 59 21.5	13.007 516	+ 7 14	+ 17 12	+ 1153
5709	8.0 F2	42 8.03	+4.7363 - 715	58 35 24.7	- 13.033 - 520	- 11 ± 14	- 16 ± 12	1154
5713	9.1 F5	42 43.55	4.5409 603	55 22 48.8	13.072 497	+ 23 16	- 17 12	1295
5714	8.4 K0	42 50.58	4.7681 739	59 8 17.7	13.080 522	+ 7 14	- 29 12	1196
5716	8.8 K2	43 11.21	4.6309 657	57 0 6.8	13.103 505	+ 32 14	+ 17 12	1176
5717	6.4 F0	43 12.83	4.7918 756	59 31 20.2	13.105 524	+ 44 14	- 5 12	1198
5719	9.1 G0	43 23.02	+4.5334 - 602	55 18 38.0	- 13.116 - 495	- 47 ± 14	- 83 ± 12	1296
5721	7.4 G0	43 45.43	4.5373 606	55 25 7.5	13.140 494	+ 60 14	+ 25 12	1297
5723	8.2 F8	43 54.72	4.7757 750	59 21 5.4	13.151 520	- 12 14	- 89 12	1199
5725	8.3 G5	44 26.20	4.6688 687	57 44 57.8	13.186 507	+ 21 13	- 21 11	1178
5727	8.9 A5	44 43.65	4.7048 711	58 21 11.1	13.205 511	- 30 14	- 5 12	1156
5728	8.8 G5	44 56.39	+4.7208 - 722	58 37 20.6	- 13.219 - 512	- 28 ± 13	- 22 ± 11	1157
5730	9.2 K2	45 3.96	4.5770 636	56 15 47.3	13.227 496	+ 13 14	- 35 12	1344
5731	9.1	45 21.56	4.8058 778	59 55 37.2	13.246 520	+ 11 14	- 12 12	+ 1156
5732	8.1	45 25.91	4.6718 694	57 53 52.3	13.251 506	- 13 14	- 32 12	1179
5738	8.4 K7	46 48.41	4.7936 780	59 53 26.4	13.341 516	+ 25 14	- 43 12	1202

5678 = BDS 4744: 10.0, 10.0, 2".

5708 = BDS 4788: 8.4, 8.4, 2".

Epochs: Stars 5627 to 5690, 1916.46; stars 5694 to 5738, 1916.86

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5740	8.9 G0	46 53.35	+4.6145 - 668	57 5 42.2	- 13.347 - 497	-.020 ± 12	-.078 ± 10	1181
5744	8.9 F0	47 17.35	4.7354 745	59 4 29.6	13.372 509	+ 46 14	- 49 12	1203
5747	6.4 K2	47 23.77	4.6274 679	57 21 50.7	13.379 497	+ 28 14	- 11 12	1182
5750	8.8 K2	47 33.14	4.5970 661	56 51 53.3	13.390 493	- 27 14	- 2 10	1349
5751	7.4 A2	47 43.14	4.7078 730	58 41 40.8	13.401 504	- 52 14	+ 10 12	1159
5752	9.2 K0	47 48.64	+4.6551 - 698	57 51 50.7	- 13.407 - 499	+ 9 ± 14	- 47 ± 12	1183
5753	8.4 K0	47 49.40	4.5005 605	55 9 25.1	13.407 482	+ 12 16	- 48 12	1299
5754	7.8 F8	48 4.57	4.5079 611	55 19 20.8	13.424 483	- 35 16	- 36 12	1301
5761	7.8 G5	49 4.77	4.5579 646	56 20 25.3	13.489 486	- 27 13	- 29 10	1351
5763	8.4 K2	49 37.06	4.6943 733	58 40 28.9	13.524 500	+ 5 14	- 11 12	1162
5764	9.1 G5	49 45.51	+4.5123 - 622	55 34 55.2	- 13.533 - 480	+ 7 ± 16	- 36 ± 12	1302
5766	9.4 F8	49 59.99	4.7642 781	59 46 34.4	13.548 506	+ 7 15	- 16 13	1208
5769	7.3 K0	50 6.07	4.4739 601	54 53 38.9	13.555 475	+ 29 14	- 56 12	1264
5770	8.4 G5	50 23.34	4.7591 780	59 44 20.2	13.574 505	+ 12 14	- 25 12	1209
5771	8.3 K7	50 33.23	4.6826 731	58 35 7.4	13.584 496	+ 34 14	- 22 12	1163
5772	9.0 K5	51 0.33	+4.5817 - 670	56 57 41.8	- 13.613 - 485	- 35 ± 14	+ 12 ± 12	+ 1186
5773	9.4 K0	51 13.44	4.5176 633	55 50 19.2	13.627 477	+ 16 16	- 13 12	1304
5776	8.1 F5	51 48.95	4.5420 650	56 20 40.5	13.665 479	+ 14 14	- 20 12	1355
5777	9.5	51 54.76	4.6756 735	58 36 54.3	13.671 493	- 3 14	- 31 12	1165
5778	8.0 K0	52 5.27	4.7586 791	59 54 8.5	13.683 501	+ 7 14	- 36 12	1212
5779	8.8 F2	52 7.85	+4.6993 - 752	59 0 32.9	- 13.685 - 495	+ 38 ± 15	- 24 ± 13	1213
5780	9.0 K0	52 12.18	4.6702 733	58 33 33.6	13.690 492	+ 1 14	- 10 12	1167
5781	8.9	52 12.44	4.7646 796	60 0 8.4	13.690 502	- 16 15	- 100 13	1165
5786	8.1 F8	53 22.21	4.4614 610	55 0 36.9	13.765 467	- 65 14	- 37 12	1308
5788	9.2 G0	54 12.05	4.7003 765	59 14 21.2	13.817 491	+ 28 14	- 26 12	1216
5789	8.7 K7	54 22.77	+4.6114 - 708	57 49 35.0	- 13.829 - 481	- 29 ± 17	- 27 ± 14	1189
5790	9.0 G0	54 41.45	4.4567 613	55 3 55.9	13.848 464	+ 14 14	- 27 12	1310
5800	8.4 K0	55 47.46	4.6486 741	58 35 25.8	13.918 482	+ 5 14	- 7 12	1169
5803	7.8 G0	56 31.17	4.4961 647	56 1 24.5	13.965 465	- 203 16	- 2 12	1361
5804	7.1 F0	56 40.81	4.4879 643	55 53 7.5	13.974 463	- 18 16	- 58 12	1312
5806	6.3 A0	56 59.62	+4.7204 - 797	59 50 27.5	- 13.993 - 487	- 12 ± 13	- 17 ± 11	1217
5809	9.1 G	57 15.65	4.4503 622	55 13 48.0	14.009 458	+ 154 14	- 75 12	1313
5810	8.9 K2	57 17.97	4.5917 712	57 48 39.3	14.013 473	- 46 14	- 89 12	1199
5813	7.7 K0	57 46.62	4.6847 777	59 22 30.1	14.042 481	+ 22 14	- 127 12	1218
5815	9.1 G5	58 0.16	4.6600 762	59 0 39.3	14.056 478	+ 34 14	- 43 12	1219
5818	8.5 G5	58 14.48	+4.5169 - 669	56 35 59.1	- 14.071 - 463	- 4 ± 16	- 7 ± 12	1364
5819	8.9 F0	58 42.48	4.6921 788	59 35 32.0	14.100 480	+ 3 14	- 2 12	1220
5822	9.0 K0	59 16.65	4.6042 732	58 14 30.2	14.136 471	- 12 14	- 13 12	1173
5824	8.1 K0	59 22.65	4.4559 636	55 35 8.9	14.142 455	- 18 14	- 13 12	1315
5831	7.0 K0	0 11.86	4.6858 793	59 39 26.2	14.194 477	- 145 15	- 65 13	1221
5834	9.0 F5	0 23.73	+4.4150 - 616	54 53 55.5	- 14.205 - 448	+ 59 ± 14	- 16 ± 12	1278
5835	8.9 G	0 30.07	4.4404 632	55 24 51.7	14.212 451	- 7 14	- 32 11	1316
5838	8.7 K5	0 41.19	4.6090 744	58 28 43.1	14.223 468	+ 4 14	- 25 12	1174
5839	8.4 F5	0 46.62	4.6883 799	59 45 30.5	14.229 476	- 48 15	- 43 13	1223
5840	9.1 G5	0 49.22	4.4174 620	54 59 45.1	14.231 448	- 42 12	- 223 10	+ 1317
5841	8.8 F5	0 57.99	+4.4545 - 644	55 44 39.3	- 14.240 - 451	- 50 ± 14	- 51 ± 12	1318
5842	7.5 F5	1 5.06	4.4403 635	55 29 0.8	14.248 450	- 165 15	- 31 13	1319
5843	8.5 K0	1 7.26	4.6065 744	58 29 7.7	14.250 467	+ 31 14	- 1 12	1175
5844	9.2 F8	1 7.06	4.4144 619	54 58 23.7	14.250 447	- 37 14	- 9 12	+ 1320
5845	9.1 A	1 16.11	4.4245 626	55 11 28.8	14.259 448	- 17 14	- 35 12	1321

Epochs: Stars 5740 to 5824, 1916.86; stars 5831 to 5845, 1916.90

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5846	9.0 K2	1 29.21	+ 4.5385 - 701	57 21 27.0	- 14.272 - 459	+.024 ± 13	-.007 ± 11	1202
5847	9.2 G0	1 35.19	4.5045 679	56 45 24.5	14.279 455	- 61 14	- 36 12	1368
5850	9.0 F8	1 53.56	4.5690 724	57 56 13.8	14.297 461	+ 18 14	- 40 12	+ 1176
5851	9.3 G5	1 54.90	4.4875 670	56 28 46.5	14.299 453	- 29 13	- 70 11	1369
5852	8.9 F	2 4.55	4.5366 703	57 23 29.9	14.308 457	+ 12 14	- 40 12	1204
5853	9.2 K0	2 19.12	+ 4.6692 - 795	59 37 44.3	- 14.324 - 471	- 86 ± 15	- 256 ± 13	1224
5858	8.9 K5	2 52.39	4.5270 701	57 18 47.8	14.357 455	+ 30 14	- 40 12	1206
5859	7.0 K0	2 54.10	4.6392 778	59 13 11.6	14.359 466	+ 49 14	- 34 12	1225
5860	7.8 K0	3 16.08	4.4967 683	56 48 37.0	14.381 451	+ 48 17	+ 14 14	1371
5862	6.7 K0	3 29.92	4.5306 707	57 27 5.5	14.395 454	- 18 14	- 27 12	1208
5865	7.3 K0	3 48.96	+ 4.4445 - 652	55 53 17.9	- 14.415 - 444	- 2 ± 13	- 34 ± 10	1322
5870	9.1 K2	5 18.06	4.4625 672	56 24 47.4	14.505 443	+ 15 16	- 9 10	1374
5871	9.2 K5	5 18.29	4.4790 683	56 43 24.1	14.505 445	+ 20 16	- 4 12	1373
5873	7.5 A0	5 41.46	4.4455 662	56 8 3.8	14.528 441	- 5 16	- 32 12	1375
5875	8.5 G0	5 57.93	4.4347 657	55 57 21.5	14.544 439	+ 193 14	- 7 12	+ 1376
5877	9.2 F8	6 29.60	+ 4.5150 - 714	57 31 35.2	- 14.577 - 446	- 18 ± 14	- 48 ± 12	1210
5878	8.6 F8	6 32.93	4.6140 783	59 13 47.9	14.580 456	- 28 14	- 11 12	1227
5879*	6.0 K5	6 33.20	4.4998 704	57 15 27.3	14.580 444	- 33 14	- 37 12	1211
5881	8.5 F2	6 42.54	4.4624 679	56 34 52.1	14.589 440	- 1 14	- 45 12	1377
5882	9.1 G0	6 46.24	4.3729 621	54 48 50.1	14.593 431	+ 16 13	- 67 10	1284
5883	8.8 A5	6 49.86	+ 4.5090 - 711	57 27 31.4	- 14.597 - 444	+ 30 ± 14	+ 14 ± 12	1212
5885	9.4 G	6 53.48	4.3877 631	55 8 2.1	14.600 432	+ 51 13	- 55 11	1326
5887	8.6 K0	7 29.14	4.4539 678	56 30 53.2	14.636 438	- 9 16	- 9 12	1378
5888	8.9 G0	7 47.95	4.4065 648	55 37 37.1	14.655 433	- 71 14	- 90 12	1327
5893	7.6 K0	8 29.33	4.5280 734	58 0 0.3	14.696 443	- 41 14	+ 6 12	1182
5894	7.3 G5	8 38.84	+ 4.5514 - 752	58 25 36.4	- 14.706 - 445	- 41 ± 14	- 58 ± 12	1183
5895	9.0 F5	8 39.03	4.4883 708	57 18 6.1	14.706 439	- 10 14	+ 19 12	1213
5896	8.3 K0	8 40.52	4.5598 758	58 34 25.0	14.707 445	+ 18 14	- 37 12	1184
5902	8.7 G0	9 48.31	4.5726 774	58 55 41.2	14.775 444	- 167 13	- 145 11	+ 1229
5912	9.0 K0	11 49.48	4.5971 805	59 34 46.6	14.893 443	- 25 14	- 11 12	1231
5913	5.6 Mb	12 31.82	+ 4.4582 - 709	57 13 37.2	- 14.934 - 428	- 8 ± 14	- 13 ± 12	1214
5915	9.0 G0	12 39.84	4.5100 746	58 11 34.4	14.942 432	- 38 14	+ 20 12	1185
5918	9.2 G0	12 55.48	4.5119 749	58 15 33.3	14.957 432	- 46 14	- 39 12	1186
5920	9.2 K7	13 16.85	4.3722 653	55 37 52.9	14.978 418	- 4 16	- 29 12	1328
5921	9.1 K0	13 31.76	4.4736 726	57 38 26.9	14.993 427	- 30 14	- 49 12	1216
5924	9.0 G0	14 19.10	+ 4.5950 - 820	59 51 2.0	- 15.038 - 437	- 44 ± 14	- 48 ± 12	1234
5925	9.5 G5	14 26.58	4.3408 638	55 7 51.3	15.045 412	- 26 13	- 45 10	1329
5929	7.6 K0	14 50.05	4.3667 658	55 43 27.2	15.068 414	- 2 16	+ 21 12	1331
5932	8.9 K0	14 57.35	4.5913 821	59 52 5.5	15.075 435	- 22 14	- 34 12	1235
5937	9.0 K7	15 27.72	4.4302 706	57 4 11.7	15.104 418	+ 16 14	- 19 12	1218
5940	8.4 K0	15 47.62	+ 4.3364 - 642	55 13 2.6	- 15.123 - 409	+ 43 ± 14	- 24 ± 12	1333
5942	9.5 G5	16 36.46	4.5466 798	59 19 37.9	15.170 427	- 35 15	- 38 13	1236
5944	8.7 F8	16 59.61	4.3319 645	55 16 59.3	15.192 406	+ 11 14	- 64 12	1334
5947	8.3 K0	18 0.58	4.3959 696	56 44 14.1	15.250 410	- 3 14	- 14 12	1383
5949	7.8 B8	18 7.74	4.4984 771	58 40 52.9	15.256 419	+ 47 13	- 17 11	1190
5951	9.2 K0	18 24.59	+ 4.4682 - 751	58 10 18.3	- 15.272 - 416	+ 28 ± 14	- 21 ± 12	1191
5961	8.0 F0	20 38.96	4.4794 773	58 40 22.2	15.399 412	- 17 14	- 25 12	1192
5963	5.7 F2	20 50.14	4.3547 682	56 17 22.5	15.410 399	- 128 14	- 48 12	1388
5966	8.8 F8	21 35.93	4.3584 688	56 28 15.6	15.452 398	+ 6 16	- 35 12	1389
5969	6.8 K2	21 56.55	4.5051 801	59 18 9.3	15.471 412	+ 11 14	- 43 12	1238

5879 = PGC 2474.

Epochs: Stars 5846 to 5951, 1916.90; stars 5961 to 5969, 1916.94

9^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
5972	7.8 A2	22 34.50	+4.3207 - 667	55 49 13.2	- 15.506 - 393	+.013 ± 16	-.029 ± 12	1339
5976	8.5 K0	23 26.85	4.5024 809	59 27 22.3	15.555 408	- 26 15	- 49 13	1241
5978	8.7 K7	23 45.25	4.5227 827	59 50 58.7	15.572 409	- 7 15	- 40 13	1242
5982	9.2 G0	24 11.49	4.4813 797	59 11 1.1	15.596 404	+ 23 15	- 33 13	1243
5989	9.1 G5	24 55.52	4.4531 780	58 46 25.2	15.636 400	- 52 14	- 23 12	1196
5990	9.2 K2	24 58.14	+4.4938 - 812	59 30 39.3	- 15.638 - 404	+ 20 ± 15	- 9 ± 13	1244
5993	9.1 G0	25 6.40	4.4551 783	58 50 2.2	15.646 400	+ 47 14	+ 2 12	1197
5995	9.3 F8	25 19.47	4.3691 718	57 12 40.4	15.658 391	+ 39 13	- 47 11	——
5996	8.4 K5	25 40.05	4.3622 714	57 7 16.8	15.676 390	+ 58 14	- 3 12	1222
5999	9.1 K0	26 7.30	4.3398 700	56 43 44.1	15.701 387	+ 43 16	+ 29 12	1391
6004	8.7 K0	27 4.44	+4.2651 - 650	55 15 18.5	- 15.753 - 378	- 56 16	- 56 12	1341
6005	9.2 G0	27 40.98	4.4168 769	58 28 29.8	15.785 390	+ 219 14	- 310 12	1199
6007	6.8 A2	27 42.73	4.3677 731	57 31 34.3	15.787 386	+ 35 14	+ 10 12	1224
6008	9.1 G5	28 7.59	4.4227 776	58 39 19.3	15.810 390	- 44 14	- 35 12	1200
6011	8.6 K0	28 23.31	4.4426 794	59 3 51.0	15.824 391	- 5 14	- 35 12	1246
6013	9.0 K0	28 32.86	+4.4654 - 813	59 30 1.8	- 15.832 - 393	+ 34 ± 15	- 22 ± 13	1247
6014	8.9 F5	28 40.47	4.2363 638	54 50 18.3	15.839 372	- 17 14	- 20 12	1315
6016	9.4 G0	29 17.04	4.4136 776	58 38 55.9	15.872 386	+ 44 14	- 32 12	1201
6017	8.6 K0	29 19.07	4.3790 749	57 59 2.4	15.874 383	+ 3 14	- 10 12	+ 1202
6018	9.4 K	29 23.01	4.4140 777	58 40 15.8	15.877 386	+ 28 14	- 36 12	1203
6020	9.2 G5	29 49.84	+4.3889 - 760	58 15 9.6	- 15.901 - 383	+ 3 ± 13	- 16 ± 11	1204
6021	7.0 Ma	29 53.01	4.4335 797	59 6 30.4	15.904 387	- 20 15	- 28 13	1249
6023	7.8 K0	30 17.95	4.3942 776	58 25 29.8	15.926 382	- 11 14	- 55 12	1206
6025	8.4 F8	30 29.89	4.4461 811	59 25 39.0	15.936 387	+ 28 15	- 21 13	1251
6026	9.0 A3	30 42.85	4.2477 657	55 24 35.7	15.948 369	- 11 14	- 28 10	1342
6029	9.3 G0	31 31.14	+4.3844 - 767	58 24 43.0	- 15.991 - 379	- 22 ± 14	- 53 ± 12	1207
6031	7.3 K0	31 52.78	4.4204 799	59 9 12.6	16.010 381	+ 12 14	- 28 12	1253
6035	9.3 G0	32 22.66	4.3193 721	57 13 34.2	16.036 372	+ 62 13	- 31 11	1227
6036	6.2 K0	32 27.33	4.2815 692	56 25 55.1	16.040 368	- 44 14	- 56 10	1397
6037	8.4 K0	32 38.14	4.3582 753	58 3 44.9	16.050 374	- 61 14	- 52 12	1208
6038	9.1 K5	32 43.53	+4.3477 - 746	57 51 51.1	- 16.054 - 373	+ 7 ± 14	+ 1 ± 12	1228
6040	9.3 K5	32 54.39	4.4458 827	59 46 14.5	16.064 381	+ 9 15	+ 2 13	1254
6042	9.2 G5	32 57.10	4.4397 822	59 40 0.6	16.066 380	- 12 15	- 32 13	1255
6043	9.2 K2	33 10.20	4.3273 732	57 30 50.3	16.077 370	+ 15 14	- 50 12	1229
6044	9.0 K5	33 24.51	4.3693 767	58 23 53.6	16.090 373	- 1 15	- 10 13	1210
6047	9.0 K2	33 38.54	+4.2880 - 704	56 45 15.7	- 16.102 - 366	- 9 ± 14	- 30 ± 12	1398
6050	8.5 K0	33 54.95	4.2624 686	56 14 6.6	16.116 363	- 22 13	- 125 11	1399
6052	9.3 G0	34 5.26	4.4214 815	59 29 49.0	16.125 376	+ 84 14	+ 82 12	1256
6053	6.3 A2	34 27.17	4.2021 642	54 55 56.4	16.144 356	- 37 15	- 81 11	+ 1345
6054	9.2 K5	34 35.15	4.4394 833	59 54 1.6	16.151 377	- 28 14	+ 12 12	1257
6055	8.9 A2	34 52.72	+4.4267 - 824	59 42 38.0	- 16.166 - 375	+ 16 ± 14	+ 5 ± 12	1258
6057	7.9 G0	34 57.34	4.2680 696	56 31 19.8	16.170 361	+ 48 15	- 43 11	1400
6058	8.3 F8	36 2.24	4.3804 793	59 0 38.9	16.226 368	+ 45 14	- 12 12	1260
6061	8.8 G5	36 39.81	4.3978 812	59 26 19.8	16.258 368	- 21 14	- 51 12	1262
6063	9.1 K0	37 17.96	4.2424 689	56 19 24.2	16.291 353	+ 13 14	- 12 10	1402
6064*	5.5 Ma	37 39.71	+4.3029 - 740	57 42 4.0	- 16.309 - 358	+ 11 ± 14	+ 38 ± 12	1231
6065	9.1 G0	37 59.09	4.3492 780	58 41 53.9	16.326 362	- 43 14	- 45 12	1213
6070	8.0 K0	38 43.24	4.4043 832	59 52 31.4	16.363 364	+ 28 14	+ 14 12	1264
6071	9.1 K0	38 46.39	4.2995 744	57 48 21.1	16.366 355	- 33 14	- 33 12	1232
6073	8.7 K0	39 16.18	4.2776 729	57 25 7.5	16.391 352	- 3 14	0 12	1233

6064 = PGC 2614.

Epoch of observation, 1916.94

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6077	7.1 F0	39 59.94	+4.1610 - 640	54 50 33.7	- 16.428 - 340	-.082 ± 16	-.042 ± 12	1329
6078	8.7 K5	40 15.90	4.1948 668	55 42 21.1	16.441 343	- 8 16	- 13 12	1349
6079	9.1 F5	40 17.82	4.1920 666	55 38 35.7	16.442 343	+ 26 16	- 38 12	1350
6081	9.4 G0	40 22.81	4.2081 680	56 2 16.8	16.446 344	+ 48 14	- 12 11	1408
6083	7.5 K0	40 38.81	4.2851 744	57 48 2.6	16.460 350	- 44 14	- 28 12	1234
6085	9.1 G5	41 25.26	+4.1852 - 667	55 40 14.4	- 16.499 - 340	- 4 ± 14	- 37 ± 12	1351
6087*	9.1 K0	42 0.38	4.3219 784	58 47 5.0	16.528 350	+ 4 13	- 106 11	1216
6088*	3.6 F0	42 3.56	4.3636 820	59 37 25.1	16.532 353			1268
6090	9.1 A0	42 15.30	4.1551 648	55 4 40.7	16.540 335	- 2 14	- 37 12	1352
6092	9.4 B3	43 18.56	4.1986 689	56 18 32.4	16.592 337	- 10 14	- 18 12	1411
6096	9.4 G0	43 36.35	+4.3157 - 789	58 55 8.9	- 16.606 - 346	- 22 ± 14	- 23 ± 12	+ 1269
6097	9.3 F8	43 48.04	4.2938 772	58 30 2.1	16.616 344	+ 2 14	- 3 12	1218
6100	8.8 K0	44 24.54	4.3206 799	59 8 58.2	16.646 344	+ 28 14	- 27 12	1270
6101	9.2 F8	44 43.97	4.3241 804	59 16 22.9	16.661 344	+ 75 14	- 65 12	1271
6102	8.4 K2	44 46.41	4.2916 776	58 36 54.7	16.664 341	- 4 14	- 41 12	1219
6103	8.1 K0	45 1.26	+4.1882 - 690	56 21 21.6	- 16.675 - 332	+ 6 ± 14	- 39 ± 12	1412
6104	7.5 G5	45 9.53	4.2724 762	58 16 19.7	16.682 339	+ 31 12	- 77 10	1220
6108	9.0 K5	45 33.81	4.2132 714	57 2 2.0	16.702 333	- 23 14	- 1 12	1236
6110	8.7 K2	45 57.03	4.1949 701	56 40 33.6	16.721 331	+ 3 14	- 6 12	1413
6114	9.3 G5	46 55.80	4.1572 676	55 56 32.1	16.768 325	- 9 14	- 51 12	+ 1415
6116	7.9 K2	47 26.96	+4.3396 - 838	60 1 46.7	- 16.793 - 339	- 31 ± 15	+ 3 ± 13	1221
6117	6.6 Ma	47 58.40	4.1060 640	54 50 4.4	16.818 319	- 64 14	- 43 12	1337
6121	9.1 G5	48 18.55	4.2583 771	58 30 31.3	16.834 330	- 84 14	+ 14 12	1223
6122*	6.0 G5	48 29.97	4.2342 750	58 0 40.9	16.842 328	+ 34 14	- 83 12	1224
6128	9.2 G0	49 2.22	4.3037 816	59 34 49.7	16.868 332	+ 28 14	+ 17 12	1273
6129	9.1 F8	49 2.20	+4.1078 - 647	55 4 32.0	- 16.868 - 317	+ 3 ± 14	- 54 ± 12	1355
6131	7.0 K2	49 43.70	4.2963 815	59 32 48.4	16.901 330	- 3 14	- 42 12	1274
6133	9.2 K0	50 8.08	4.1326 674	55 54 30.9	16.920 316	- 2 14	- 16 12	+ 1417
6134	9.0 K0	50 16.69	4.1219 665	55 39 50.2	16.927 315	+ 17 14	- 53 11	1356
6135	8.1 K0	50 18.31	4.2820 806	59 21 4.2	16.928 327	+ 22 14	+ 11 12	1275
6136	8.4 F0	50 21.92	+4.3026 - 825	59 47 0.0	- 16.931 - 329	+ 16 ± 14	- 59 ± 12	1276
6138	8.1 A5	50 26.66	4.1970 731	57 30 56.3	16.935 320	- 25 14	- 25 12	1239
6140	9.2 A0	50 45.78	4.1281 674	55 54 40.1	16.949 314	+ 47 14	+ 5 12	+ 1419
6143	8.9 F5	50 57.94	4.1064 657	55 23 38.0	16.959 312	- 20 13	- 9 10	1357
6145	7.5 K0	50 59.37	4.1738 714	57 4 12.0	16.960 317	- 7 14	- 11 12	1240
6146	8.9 K7	51 10.18	+4.1194 - 669	55 45 52.1	- 16.968 - 313	- 21 ± 16	- 14 ± 12	1358
6147*	5.7 K5	51 14.46	4.1863 726	57 24 30.5	16.972 318	- 3 13	- 33 11	1242
6153	8.9 F5	52 6.60	4.1862 732	57 33 49.1	17.012 316	- 40 14	- 23 12	1243
6154	8.8 F2	52 39.55	4.1058 666	55 41 38.3	17.037 308	+ 37 14	- 2 11	1359
6156	8.0 G5	53 10.13	4.1218 683	56 11 39.5	17.062 308	- 171 12	- 459 10	1421
6163	9.1 G5	53 44.99	+4.1191 - 684	56 14 17.1	- 17.088 - 307	- 28 ± 14	- 27 ± 12	1422
6164	7.3 F5	53 50.01	4.1865 744	57 53 3.3	17.091 312	0 14	- 16 12	1245
6165	8.9 A3	53 52.34	4.1357 699	56 40 39.6	17.093 308	- 15 14	- 4 12	1423
6166	9.0 F0	53 54.26	4.1154 681	56 10 29.8	17.095 307	- 3 14	+ 17 12	1424
6167	8.8 K0	54 15.97	4.2086 766	58 28 10.7	17.111 313	- 18 14	+ 10 12	1230
6172	7.1 F8	54 32.77	+4.2167 - 776	58 42 7.6	- 17.125 - 312	- 164 ± 14	- 147 ± 12	1231
6174	9.1	54 47.97	4.2749 832	59 59 32.8	17.135 317	0 15	0 13	+ 1232
6175	7.3 G5	54 48.60	4.1896 753	58 8 12.2	17.136 310	+ 7 17	+ 18 15	1232
6176	7.5 F5	54 49.22	4.1527 720	57 16 10.4	17.136 307	0 14	- 15 12	1246
6178	8.2 F5	55 28.41	4.1817 750	58 4 36.7	17.166 308	+ 18 14	- 20 12	1233

6087 = BDS 5211: 9.9, 9.9, 2". 6088 = PGC 2632. 6122 = PGC 2660. 6147 = PGC 2673.

Epoch of observation, 1917.06

$9^h - 10^h$

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ' "	"		"		"		
6179	8.3	K0	55 36.40	+4.2591	-823	59 48 26.0	-17.172	-313	-.027	±14	-.032	±12	1284
6181	9.1	A0	56 0.72	4.1931	764	58 26 15.9	17.190	307	- 3	14	- 93	12	1234
6183	8.8	K2	56 14.31	4.1202	700	56 44 18.8	17.201	302	+ 4	12	- 5	10	1426
6184	8.6	K0	56 20.71	4.0514	641	54 56 58.6	17.205	296	+ 97	14	- 38	12	+1362
6187	8.1	K5	56 28.71	4.0931	678	56 5 30.9	17.211	299	+ 28	14	+ 7	11	1428
6188	9.2	G0	56 30.32	+4.0915	-676	56 3 18.6	-17.212	-299	+ 20	±13	- 18	±11	1427
6189	8.8	G0	56 31.86	4.0927	677	56 5 25.6	17.213	299	+112	14	- 22	11	1428
6192	9.0	K0	56 37.24	4.0775	665	55 42 33.9	17.218	297	+ 6	16	- 20	12	1363
6193	9.1	F2	56 54.68	4.1157	700	56 45 19.1	17.231	299	- 20	14	0	12	1429
6194	9.3	G0	57 3.32	4.1934	772	58 38 20.6	17.237	305	+ 10	14	- 61	12	1236
6201	7.2	K0	58 2.59	+4.0923	-686	56 22 31.7	-17.281	-295	- 7	±14	+ 21	±12	1430
6205	8.1	F2	58 25.52	4.0851	682	56 15 53.7	17.298	294	- 21	16	- 24	12	1431
6206	8.4	K5	58 32.02	4.0528	654	55 25 20.4	17.303	292	+ 44	15	- 19	11	1364
6207	8.4	K0	58 36.14	4.2298	817	59 44 3.8	17.306	304	- 63	14	- 25	12	1286
6209	9.2	A0	58 50.53	4.1034	701	56 49 3.7	17.316	294	+ 28	16	+ 3	12	1432
6211	8.6	G5	59 2.08	+4.1440	-740	57 51 32.7	-17.325	-297	- 17	±14	- 88	±12	1249
6216	8.7	K2	59 48.70	4.1806	779	58 52 12.4	17.359	298	- 9	14	- 10	12	1239
6219	8.8	K2	0 8.30	4.0528	664	55 44 38.2	17.373	288	+ 57	14	- 37	12	1365
6220	9.0	G5	0 27.69	4.1560	761	58 25 21.0	17.388	295	+ 16	14	- 38	12	1240
6222	8.8	G0	0 41.81	4.1683	774	58 45 23.7	17.398	295	- 45	14	- 46	12	1242
6225	9.2	K0	0 58.25	+4.0553	-671	55 58 52.5	-17.410	-286	- 84	±13	- 77	±11	+1433
6226	8.4	K5	1 17.50	4.0499	668	55 53 58.4	17.424	285	- 1	14	- 35	12	+1434
6227	9.1	G0	1 17.78	4.1810	790	59 9 50.2	17.424	295	- 13	14	- 9	12	1289
6229	8.6	K2	1 22.66	4.2053	814	59 43 25.7	17.428	296	- 30	14	- 8	12	1290
6230	8.4	G5	1 26.18	4.0584	677	56 9 22.0	17.431	285	-203	14	-148	12	1435
6231	9.0	G5	1 31.62	+4.0415	-662	55 43 4.0	-17.434	-284	- 39	±15	- 36	±11	1366
6234	9.0	F2	1 38.05	4.1211	736	57 48 47.8	17.439	289	- 36	14	- 5	12	1250
6237	8.0	K2	2 1.68	4.1777	792	59 13 50.0	17.456	293	0	14	- 15	12	1291
6239	8.6	K0	2 45.08	4.0642	690	56 35 0.4	17.487	282	- 12	14	+ 22	12	1437
6244	8.6	K5	4 5.77	3.9914	633	54 49 41.7	17.544	274	+ 17	14	- 52	12	1354
6245	8.6	K0	4 5.92	+4.1578	-788	59 10 48.2	-17.544	-286	- 10	±14	- 17	±12	1293
6246	8.8	A0	4 33.52	4.0660	704	57 0 5.6	17.564	278	- 40	14	- 11	12	1251
6247	9.3	G5	4 35.93	4.0228	664	55 50 6.7	17.565	276	+ 8	16	- 31	12	1370
6248	9.0	K0	4 39.14	4.0456	685	56 28 39.2	17.567	277	- 6	14	- 7	12	1439
6249	8.6	K0	4 43.31	4.1475	783	59 3 47.0	17.570	284	- 7	14	- 20	12	1295
6251	9.4	G0	4 53.59	+4.0428	-684	56 27 4.2	-17.578	-276	+ 27	±17	- 6	±14	1440
6252	8.2	K5	4 56.30	4.0451	687	56 31 22.7	17.580	276	- 10	14	- 5	12	1441
6253	7.0	A2	4 59.08	4.1263	764	58 36 35.9	17.581	282	+ 13	14	- 1	12	1244
6258	9.2	F2	5 38.85	4.0076	657	55 37 49.4	17.609	272	+ 8	14	- 19	12	1371
6259	7.4	Mb	5 48.71	4.1797	823	60 1 3.1	17.616	284	+ 23	14	- 40	12	1245
6260	7.4	A0	5 58.57	+4.0478	-696	56 48 47.9	-17.623	-274	+ 50	±14	+ 17	±12	1443
6266	8.0	K5	7 6.53	3.9861	646	55 19 20.8	17.670	267	- 11	16	- 80	12	1372
6267	8.2	G5	7 17.60	4.1647	819	59 58 42.1	17.678	279	- 41	14	- 49	12	+1248
6271	8.4	K0	7 53.19	4.0451	706	57 8 48.6	17.702	269	+ 14	14	- 14	12	1258
6272	8.0	F8	8 4.08	4.0525	714	57 23 0.3	17.710	270	- 25	14	- 93	12	1259
6273	8.4	F5	8 7.03	+4.1583	-820	59 59 58.6	-17.712	-277	- 29	±14	- 15	±12	+1251
6276	8.6	F5	8 27.05	4.0549	719	57 31 46.0	17.725	269	- 9	14	- 33	12	1260
6278	8.5	F2	8 36.51	3.9764	646	55 22 3.1	17.732	263	- 32	14	- 28	12	1375
6279	9.0	K2	8 47.49	4.0754	742	58 8 6.7	17.739	269	- 1	14	- 13	12	1246
6280	9.0	K0	8 53.99	3.9805	652	55 33 6.6	17.744	263	- 53	12	- 63	10	1377

Epoch of observation, 1917.06

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6281	9.3 G0	8 59.39	+3.9874 - 659	55 46 16.9	- 17.747 - 263	+.093 ± 17	-.042 ± 12	1379
6282	7.6 K2	9 14.17	4.0117 683	56 31 18.0	17.757 264	+ 30 14	- 46 12	1447
6284	9.4 G0	9 57.45	3.9735 652	55 34 47.4	17.787 260	+ 13 14	- 37 12	1380
6285	9.1 F8	10 3.42	3.9532 633	54 59 27.6	17.791 259	- 2 14	- 14 12	+ 1381
6286	8.9 K2	10 6.14	3.9575 638	55 7 56.3	17.792 259	+ 4 14	- 50 12	1382
6288	9.0 K2	10 33.33	+4.0780 - 757	58 34 38.7	- 17.811 - 265	+ 11 ± 14	0 ± 12	1248
6289	7.6 K0	11 6.77	3.9571 643	55 21 1.3	17.833 257	+ 8 13	- 26 11	1384
6291	8.8 K0	11 49.33	4.0168 705	57 14 9.4	17.861 259	- 8 14	- 49 12	1263
6292	9.2 F8	11 49.57	4.0651 753	58 31 25.4	17.861 262	+ 25 14	- 7 12	1249
6295	8.9 F8	12 3.81	3.9878 679	56 28 29.0	17.871 256	- 77 13	- 12 11	1449
6297	9.4	12 20.94	+4.0884 - 781	59 13 30.6	- 17.882 - 262	+ 6 ± 14	- 26 ± 12	1299
6298	9.0 G	12 21.73	4.0886 781	59 13 57.5	17.883 262	+ 28 14	- 13 12	
6299*	6.0 K0	12 25.08	3.9309 627	54 50 35.0	17.885 252	- 49 13	- 27 10	1367
6300	8.4 K0	12 34.73	4.1046 800	59 40 19.7	17.891 263	- 22 15	- 26 13	1300
6302	8.5 A2	12 54.46	3.9717 669	56 11 41.1	17.904 254	+ 8 14	- 17 12	1450
6303	9.0 F5	12 55.36	+3.9530 - 651	55 38 26.0	- 17.905 - 252	- 3 ± 16	- 4 ± 12	1386
6305	9.0 G5	13 7.14	4.0358 733	58 2 30.7	17.913 257	- 32 14	+ 20 12	1250
6306	9.0 K0	13 9.23	3.9349 635	55 8 13.8	17.914 250	- 5 16	- 44 12	1387
6307	9.2 A5	13 10.33	4.0817 780	59 14 18.0	17.915 260	- 22 14	- 36 12	1301
6309	9.2 G5	13 17.30	4.1104 811	59 57 49.9	17.919 261	- 34 15	- 28 13	+ 1254
6313	8.8 G5	13 38.18	+4.0812 - 784	59 19 39.2	- 17.933 - 259	- 19 ± 15	- 24 ± 13	1304
6316	8.7 K0	14 3.69	4.0543 759	58 44 16.3	17.950 256	- 2 14	+ 5 12	1252
6324	9.2 G0	15 16.56	3.9321 646	55 32 55.2	17.997 245	+ 25 14	- 36 12	1388
6325	8.1 F2	15 18.15	4.0552 769	59 2 25.9	17.998 253	- 68 14	- 9 12	1306
6326	8.1 K0	15 21.62	3.9851 698	57 9 9.6	18.001 248	- 173 14	- 68 12	1266
6327	9.0 G5	15 35.82	+4.0298 - 745	58 26 16.4	- 18.009 - 251	+ 89 ± 14	- 3 ± 12	1254
6332	9.3 K0	15 53.12	4.0032 720	57 46 54.3	18.020 249	- 53 14	- 19 12	1267
6338	8.7 K0	17 16.36	3.9166 643	55 32 25.5	18.073 239	+ 39 14	- 50 12	1389
6341	7.8 K0	17 41.95	4.0556 789	59 35 29.4	18.089 248	- 28 14	+ 1 12	1309
6343	7.6 K0	17 49.02	4.0684 804	59 56 18.2	18.094 248	+ 35 15	- 27 13	+ 1261
6346	7.6 K0	18 9.06	+4.0593 - 796	59 47 13.2	- 18.106 - 247	+ 29 ± 14	0 ± 12	1310
6347	6.9 G5	18 21.61	3.8928 627	55 2 28.2	18.114 236	- 49 12	- 42 10	1390
6349	8.4 F2	18 47.88	3.9569 694	57 8 31.0	18.131 239	+ 6 14	- 25 12	1269
6350	9.1 F2	18 55.04	3.9907 730	58 8 34.4	18.135 240	+ 20 14	+ 12 12	1255
6353	8.5 A2	19 24.08	3.9646 706	57 30 49.4	18.153 237	+ 14 12	- 7 10	1270
6358	8.7 K0	19 56.93	+3.9871 - 734	58 17 20.2	- 18.173 - 238	+ 24 ± 14	+ 11 ± 12	1257
6362	9.0 G0	20 55.91	3.9031 654	56 0 55.8	18.210 230	- 37 14	- 30 12	1455
6367	7.3 K0	21 48.10	3.8794 636	55 27 48.2	18.241 228	+ 19 14	- 26 11	1394
6368	9.1 A0	22 3.58	3.8792 637	55 31 26.6	18.251 227	+ 52 16	- 13 12	1395
6374	9.0 K5	22 23.47	3.9111 672	56 38 19.6	18.263 228	- 165 13	- 58 12	1458
6375	9.5 G5	22 25.80	+3.9915 - 758	59 0 39.7	- 18.264 - 233	- 48 ± 14	+ 9 ± 12	1312
6378	7.4 K2	22 36.33	3.9278 691	57 12 29.2	18.271 229	- 56 14	+ 13 12	1272
6379*	5.0 F5	22 36.04	3.9088 672	56 37 13.2	18.271 227			1459
6380	9.1 K2	23 4.21	3.8858 651	56 0 0.1	18.287 225	- 4 14	+ 4 12	1460
6382	8.5 F2	23 40.04	3.8570 625	55 11 36.4	18.309 221	- 19 16	- 60 12	1397
6389	9.4 G5	25 15.10	+3.8809 - 661	56 24 32.3	- 18.365 - 219	- 94 ± 18	+ 24 ± 15	1462
6392	8.8 G5	25 50.70	3.8970 682	57 4 47.8	18.385 219	+ 36 14	- 13 12	1275
6393	8.9 F0	26 8.94	3.8796 666	56 36 15.3	18.396 217	- 29 14	+ 8 12	1463
6396	7.3 F5	26 32.83	3.8827 672	56 48 29.5	18.410 217	+ 55 14	- 18 12	1464
6398	8.9 G5	26 47.31	3.8466 636	55 40 8.5	18.419 214	- 45 16	- 16 12	1398

6299 = PGC 2740. 6379 = PGC 2785.

Epochs: Stars 6281 to 6358, 1917.06; stars 6362 to 6398, 1916.94

10h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6400*	5.1 F0	27 6.24	+3.9071 - 703	57 43 34.5	- 18.429 - 217			1277
6402	8.7 K0	27 25.35	3.8722 667	56 41 53.3	18.440 214	+.018 ± 13	-.013 ± 11	1465
6404	9.2 K0	27 49.14	3.9319 736	58 39 59.8	18.454 217	- 18 14	- 29 12	1263
6405	9.1 G0	27 55.40	3.9281 732	58 34 55.5	18.457 216	+ 16 14	- 7 12	1264
6407	8.2 F8	28 50.93	3.8994 708	57 57 13.6	18.489 212	- 46 14	- 78 12	+ 1265
6410	6.3 K0	29 22.89	+3.8676 - 677	57 4 42.4	- 18.507 - 209	- 56 ± 14	- 15 ± 12	1278
6411	9.2 F8	29 27.16	3.9121 727	58 30 6.0	18.509 212	+ 104 14	- 24 12	1267
6413	9.1 G5	29 29.89	3.9096 724	58 26 20.8	18.511 211	+ 45 14	- 61 12	1266
6414	9.1 G	29 36.06	3.9196 736	58 46 16.2	18.514 212	- 15 14	+ 1 12	1269
6415	8.6 G5	29 36.77	3.9109 727	58 30 43.3	18.515 211	+ 15 15	+ .4 13	1268
6416	9.2 F2	29 37.18	+3.8775 - 690	57 27 58.2	- 18.515 - 209	+ 43 ± 14	+ 2 ± 12	1280
6417	9.1 F8	29 47.92	3.8792 693	57 34 5.1	18.521 209	- 23 14	- 42 12	1281
6420	9.0 G0	30 8.23	3.8166 627	55 32 11.6	18.533 205	- 118 13	- 92 11	1401
6422	9.2 G0	30 15.02	3.8419 655	56 27 26.0	18.536 206	- 80 14	+ 15 12	1467
6425	8.8 K0	30 26.45	3.8928 713	58 10 33.0	18.542 208	+ 53 15	- 7 13	1270
6426	8.0 G5	30 27.65	+3.8792 - 698	57 45 7.1	- 18.543 - 207	- 33 ± 14	+ 8 ± 12	1282
6430	8.6 G0	31 12.37	3.8257 645	56 9 44.2	18.568 203	+ 36 14	- 38 12	1468
6432	8.8 G5	31 15.82	3.8817 707	58 3 0.5	18.570 206	- 16 14	+ 4 12	1271
6433	8.8 K5	31 17.85	3.8803 706	58 0 58.3	18.571 205	- 25 14	- 7 12	1272
6434	9.5 G0	31 28.11	3.9027 733	58 45 44.9	18.577 206	- 25 14	- 34 12	1273
6439	9.2 F8	32 44.28	+3.7917 - 619	55 22 13.7	- 18.618 - 198	+ 75 ± 14	- 17 ± 12	1402
6440	9.3 G0	32 44.61	3.8172 646	56 18 1.3	18.618 199	- 15 14	- 1 12	1471
6442	8.4 G0	32 51.83	3.9315 779	59 59 46.2	18.622 204	- 62 15	- 124 13	+ 1279
6444	9.0 G0	32 56.47	3.8993 742	59 3 45.5	18.625 203	- 18 14	- 82 12	1320
6446	9.0 F8	33 11.31	3.7772 606	54 57 30.4	18.633 196	+ 4 16	- 5 12	+ 1403
6448	9.1 F8	33 24.55	+3.8636 - 704	58 3 57.0	- 18.640 - 200	+ 6 ± 14	- 21 ± 12	1275
6452	8.6 G0	34 52.06	3.8675 721	58 36 30.9	18.687 197	- 38 14	- 14 12	1276
6453	9.0 G5	34 56.55	3.7864 629	55 49 35.8	18.689 192	+ 5 16	- 7 12	1404
6454	9.4 K0	35 0.55	3.8711 726	58 45 51.9	18.691 197	- 16 14	- 26 12	1277
6455	9.2 G0	35 0.60	3.7645 605	55 0 50.6	18.691 191	- 20 15	- 44 11	1405
6456	7.7 K5	35 3.66	+3.8051 - 650	56 32 38.8	- 18.693 - 193	+ 19 ± 14	- 24 ± 12	1472
6458	8.4 G5	35 7.34	3.8653 720	58 36 34.7	18.694 196	+ 51 14	- 44 12	1278
6459*	6.0 B9	35 49.13	3.8363 692	57 51 15.7	18.716 193	+ 51 14	- 39 12	1286
6460	8.4 K0	36 51.17	3.8736 745	59 22 22.9	18.749 193	- 40 14	- 14 12	1323
6462	8.8 A5	37 3.26	3.8480 716	58 36 35.0	18.755 191	- 44 14	- 3 12	1280
6465	9.4 G5	37 28.24	+3.8151 - 681	57 37 15.2	- 18.768 - 188	- 141 ± 13	- 18 ± 11	1288
6466	9.2 A3	37 35.14	3.8127 679	57 34 4.4	18.772 187	+ 17 14	+ 8 12	1289
6467	6.2 F0	38 9.13	3.8081 678	57 34 36.3	18.789 186	+ 30 14	+ 9 12	1290
6468	8.8 K5	38 9.56	3.8725 756	59 43 1.5	18.789 189	- 29 14	+ 1 12	1325
6469*	6.2 Ma	38 31.28	3.8176 693	58 1 25.7	18.800 185	- 58 14	- 75 12	1281
6470	8.3 G5	38 36.72	+3.7570 - 623	55 49 43.3	- 18.803 - 182	+ 7 ± 14	- 13 ± 12	1408
6471	8.7 G5	38 40.89	3.8737 762	59 54 25.0	18.805 188	- 25 13	- 2 12	+ 1287
6472	8.7 K	38 45.89	3.7466 612	55 28 10.4	18.808 182	- 14 15	+ 4 11	1410
6475	9.4 G5	38 54.75	3.7702 640	56 25 45.6	18.812 183	- 79 14	- 7 12	1473
6476	9.0 G	39 11.01	3.8520 740	59 22 3.0	18.820 186	+ 24 14	- 39 12	1327
6478	9.4 F5	39 11.59	+3.8496 - 737	59 17 35.8	- 18.821 - 186	- 32 ± 14	- 21 ± 12	1326
6485	7.5 G0	40 47.42	3.7963 687	57 58 20.5	18.868 180	- 22 12	- 75 10	+ 1283
6486	9.2 F5	40 58.47	3.8368 738	59 24 52.6	18.874 181	- 5 14	+ 20 12	1330
6492	8.8 F8	41 42.64	3.7348 621	55 56 23.9	18.895 175	+ 25 14	+ 17 12	+ 1474
6493	9.3 F5	41 47.57	3.7661 659	57 11 7.9	18.898 176	+ 31 14	+ 5 12	——

6400 = PGC 2813. 6459 = PGC 2850. 6469 = PGC 2865. Epoch, 1916.94

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6496	9.3 F0	42 0.87	+3.7519 -643	56 42 56.8	-18.904 -175	+.019 ± 14	-.009 ± 11	1475
6497	9.2 K0	42 12.48	3.7500 643	56 42 15.1	18.910 174	+ 8 14	+ 8 11	1476
6499	8.9 F0	42 18.61	3.7622 658	57 12 22.2	18.913 174	- 6 14	- 18 12	1292
6501	9.2 G5	42 59.78	3.7475 646	56 52 2.6	18.933 172	- 40 14	+ 50 12	1477
6502	8.6 F8	43 8.36	3.7042 596	55 9 8.6	18.937 170	+ 33 14	- 20 12	1414
6504	8.7 K5	43 13.16	+3.7096 -603	55 24 24.2	-18.939 -169	0 ± 16	- 51 ± 12	1416
6506	7.2 B9	43 23.17	3.7451 647	56 53 58.4	18.944 171	- 13 13	+ 4 11	+1293
6507	9.2 G0	43 24.92	3.7286 627	56 15 15.1	18.945 170	- 66 15	- 37 11	1478
6508*	6.3 G5	43 27.69	3.7534 657	57 14 36.5	18.946 171	- 31 14	- 15 12	1294
6509	9.0 K0	43 28.25	3.7402 641	56 43 55.2	18.946 170	+ 32 14	-105 12	1479
6510*	5.4 K0	43 31.24	+3.8302 -754	59 58 57.6	-18.948 -174	- 32 15	- 57 13	+1296
6512	9.1 K2	43 39.36	3.7416 645	56 51 8.6	18.952 170	+ 10 13	- 9 10	1481
6514	8.8 F2	43 39.96	3.7400 643	56 47 28.6	18.952 170	+ 17 13	+ 2 11	1480
6516	8.9 F8	44 0.40	3.7148 615	55 53 15.0	18.962 168	- 17 14	- 30 12	1417
6518	8.8 G	44 18.10	3.7947 716	59 2 4.6	18.971 171	- 280 16	-156 13	1332
6519	8.1 F0	44 21.78	+3.7150 -618	56 1 1.6	-18.972 -167	+ 37 ± 14	- 10 ± 12	1482
6524	8.7 F8	44 49.03	3.7312 642	56 49 47.1	18.985 167	-113 12	-100 10	1483
6526	8.9 G5	45 15.38	3.7675 691	58 21 53.4	18.997 168	- 30 14	- 7 12	1286
6528	8.0 G5	45 33.48	3.8028 738	59 42 46.6	19.006 169	+ 19 14	+ 19 12	1333
6532*	5.2 K0	45 59.31	3.6838 594	55 14 56.2	19.018 162	- 55 16	- 16 12	1418
6533	9.0 G5	46 8.56	+3.6797 -590	55 7 4.0	-19.022 -162	+ 32 ± 14	- 92 ± 12	1420
6534	8.9 F8	46 10.63	3.6900 603	55 35 11.8	19.023 162	- 26 14	- 13 12	1419
6535	8.0 K0	46 32.46	3.6844 599	55 27 57.9	19.033 161	- 2 13	- 44 11	1422
6538	8.8 G0	46 46.04	3.7584 693	58 31 58.0	19.039 164	-116 14	- 62 12	1289
6540	9.2 F8	46 59.84	3.6840 602	55 36 47.2	19.045 160	- 19 14	- 75 12	1423
6542	8.7 M1	47 11.45	+3.7764 -720	59 19 46.3	-19.051 -164	- 47 ± 14	- 9 ± 12	1334
6546	9.2 G5	47 27.58	3.6831 605	55 44 5.5	19.058 159	+ 54 16	- 21 12	1425
6549	6.6 G5	48 46.10	3.7309 676	58 10 11.4	19.093 158	- 31 14	- 44 12	1290
6550	9.4 K2	48 57.28	3.7537 708	59 6 1.4	19.098 158	- 14 14	- 82 12	1335
6551	9.1 F0	49 16.57	3.6865 624	56 31 59.1	19.107 155	+ 28 12	+ 9 10	1485
6552	9.1 G0	49 22.26	+3.6561 -587	55 13 2.2	-19.110 -153	- 29 ± 16	- 3 ± 12	1427
6556	9.2 F8	49 45.99	3.7199 671	58 5 17.9	19.120 156	- 61 14	- 39 12	1291
6557	9.3 K0	49 46.62	3.6811 621	56 28 48.9	19.120 154	+ 25 17	+ 17 14	1486
6559	9.0 G0	50 2.92	3.7365 696	58 50 4.1	19.127 156	- 20 14	- 45 12	1292
6561	9.3 F8	50 7.37	3.6682 608	56 2 27.7	19.129 153	- 1 14	- 5 12	1488
6563	8.4 A3	50 10.44	+3.6783 -621	56 30 26.6	-19.131 -153	+ 2 ± 12	+ 5 ± 10	1489
6564	8.6 G5	50 14.28	3.6548 592	55 28 38.1	19.132 152	0 14	- 13 10	1429
6566	7.6 G5	50 24.19	3.6671 609	56 5 49.9	19.137 152	- 39 14	+ 9 12	1490
6567	7.4 G0	50 36.96	3.7613 735	59 57 1.7	19.142 155	- 16 14	- 59 12	+1299
6571	9.1 K2	51 27.45	3.6486 594	55 39 8.8	19.164 148	- 80 13	- 28 10	1431
6572	7.8 G5	51 28.95	+3.6491 -595	55 40 49.2	-19.165 -148	+ 3 ± 14	- 11 ± 12	1432
6573	9.1 A7	51 33.24	3.6635 614	56 21 45.2	19.167 149	+ 3 14	- 9 11	1491
6574	8.9 F5	51 59.33	3.7424 724	59 44 35.5	19.178 152	- 48 14	- 4 12	1337
6575	7.3 K2	52 8.11	3.7366 717	59 34 33.1	19.181 151	- 4 14	- 10 12	1338
6576	9.2 G5	52 10.04	3.6627 619	56 33 36.9	19.182 148	- 40 14	- 49 12	1492
6577	9.0 K0	52 10.78	+3.7363 -717	59 35 0.1	-19.183 -151	- 39 ± 14	- 21 ± 12	1339
6578	9.1 G0	52 37.58	3.6842 651	57 40 2.9	19.194 148	-128 14	- 72 12	1300
6579	8.6 K2	52 47.18	3.6702 634	57 7 16.8	19.198 146	- 12 14	- 23 12	1301
6582	8.8 G5	53 20.40	3.6199 574	55 0 22.4	19.212 143	+ 36 14	+ 6 12	1435
6585	9.0 K2	53 42.06	3.7293 724	59 52 7.1	19.221 147	- 42 14	- 1 12	1343

6508 = PGC 2890. 6510 = PGC 2891. 6532 = PGC 2898. Epoch, 1916.94

$10^h - 11^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
6586	8.8 F5	53 53.09	+3.6959 - 679	58 37 11.6	- 19.226 - 145	+.012 ± 14	-.016 ± 12	1294
6592	6.2 K2	54 40.17	3.7064 702	59 20 16.9	19.245 144	- 31 14	- 10 12	1345
6596	7.2 F5	55 3.60	3.6200 589	55 41 51.5	19.255 140	- 77 14	+ 88 12	1436
6598	9.0	55 23.83	3.7190 728	60 6 18.6	19.263 143	- 76 15	- 13 13	1305
6599	9.3 K2	55 34.69	3.6141 585	55 36 32.1	19.267 138	+ 29 14	- 22 12	1437
6602	7.9 K5	55 44.71	+3.6664 - 657	58 5 30.5	- 19.271 - 140	- 4 ± 12	- 42 ± 10	1296
6604	9.1 G0	55 53.34	3.6476 633	57 19 10.7	19.275 139	- 63 14	+ 21 12	1303
6606	9.2 G0	55 59.32	3.6707 666	58 22 23.3	19.277 139	- 2 14	- 28 12	1297
6608	8.5 G0	56 3.41	3.6018 573	55 11 46.3	19.279 136	- 127 14	+ 76 12	1439
6614	8.4 G0	56 56.17	3.6538 652	58 0 28.8	19.300 136	- 7 14	- 53 12	1298
6615	8.9 G5	56 58.71	+3.6904 - 704	59 34 37.3	- 19.301 - 138	- 76 ± 15	- 23 ± 13	1346
6616	9.4 G0	56 59.61	3.6177 603	56 21 44.9	19.301 135	+ 3 14	- 18 12	1494
6618*	8.4 F8	57 16.87	3.6430 640	57 39 59.0	19.308 135	- 57 14	- 82 12	1306
6619	9.0 F8	57 32.25	3.6741 687	59 7 30.4	19.314 136	- 98 14	+ 58 12	1348
6623	9.4 G	57 54.73	3.6712 687	59 8 56.2	19.323 135	+ 4 14	- 36 12	1349
6628	8.6 G0	58 10.24	+3.5903 - 577	55 28 53.5	- 19.329 - 131	+ 6 ± 16	- 2 ± 12	1440
6629	9.1 F8	58 13.16	3.6023 593	56 6 43.8	19.330 131	- 35 13	- 30 11	1496
6632	8.4 F5	59 11.51	3.6273 638	57 43 34.6	19.353 130	- 94 14	- 28 12	1307
6633	7.4 K2	59 14.61	3.6069 609	56 45 59.6	19.354 129	+ 48 14	- 54 12	1498
6634	9.0 G0	59 24.91	3.5977 598	56 23 18.6	19.358 129	- 195 13	- 118 10	1499
6635	9.1 F5	59 31.92	+3.5844 - 581	55 45 16.1	- 19.360 - 128	- 27 ± 14	- 1 ± 11	1442
6637	9.0 K0	0 4.35	3.6587 692	59 29 20.0	19.373 129	- 1 14	+ 6 12	1350
6638	9.1 F8	0 39.19	3.5909 601	56 34 34.8	19.386 126	- 38 16	- 20 12	1500
6639	8.7 G0	0 47.74	3.5752 580	55 49 13.8	19.389 125	+ 4 14	- 4 11	1443
6641	7.1 G5	1 26.43	3.6549 703	59 53 28.5	19.403 127	+ 3 14	+ 13 12	1351
6644	9.1 G0	1 33.36	+3.5809 - 595	56 27 19.5	- 19.406 - 123	- 59 ± 12	+ 14 ± 10	1502
6646	8.0 K0	1 41.02	3.6170 649	58 17 40.3	19.408 124	+ 11 14	- 31 12	1303
6647	7.8 G0	1 41.00	3.5498 552	54 49 40.3	19.409 122	- 36 14	- 39 12	1421
6648	6.9 G5	1 48.20	3.6214 657	58 33 8.8	19.411 124	+ 14 14	- 10 12	1304
6650	8.1 K0	1 54.84	3.5767 593	56 23 46.2	19.414 122	- 80 14	+ 7 12	1503
6655	9.2 F0	2 20.94	+3.6030 - 636	57 54 53.3	- 19.423 - 122	+ 9 ± 14	- 26 ± 12	+ 1306
6656	7.0 G0	2 28.71	3.5426 550	54 47 1.3	19.426 120	- 21 14	- 10 12	1425
6657	8.8 F0	2 52.95	3.5680 590	56 22 9.3	19.435 120	+ 13 16	+ 8 12	1504
6658	8.8 G5	3 11.12	3.6307 687	59 34 16.8	19.441 122	- 44 14	+ 5 12	1352
6660*	7.2 A5	4 14.88	3.5292 547	54 49 36.3	19.464 115	- 73 14	+ 21 12	1426
6661	7.0 G0	4 16.97	+3.6202 - 684	59 34 38.2	- 19.465 - 119	- 79 ± 14	+ 28 ± 12	1353
6662	9.0 K2	4 28.15	3.5848 631	57 57 37.1	19.468 117	- 6 14	- 24 12	+ 1307
6667	8.6 F5	4 46.20	3.5425 572	55 50 51.7	19.475 115	- 96 14	+ 20 12	1445
6668	6.8 A2	5 27.35	3.5321 563	55 34 23.6	19.489 113	+ 23 14	- 14 12	1446
6669	7.7 F2	5 29.98	3.5587 603	57 4 55.8	19.490 114	- 58 14	- 43 12	1309
6671	8.7 F5	6 5.43	+3.6080 - 686	59 49 8.4	- 19.502 - 115	- 50 ± 14	- 20 ± 12	1355
6673	7.2 F2	6 17.75	3.5341 573	56 5 42.5	19.506 111	- 53 14	- 30 10	1508
6676	9.1 K5	7 25.15	3.5965 685	59 53 18.9	19.529 111	- 5 14	- 4 12	1356
6678	9.2 F0	8 1.02	3.5743 656	59 4 55.8	19.541 109	+ 9 14	- 15 12	1358
6679	9.0 G5	8 1.70	3.5837 672	59 33 34.6	19.541 110	- 88 14	- 7 12	1359
6681	7.7 K2	8 14.82	+3.5684 - 650	58 53 45.8	- 19.545 - 108	- 22 ± 12	- 31 ± 11	+ 1360
6684	9.5 G5	8 25.15	3.5651 647	58 48 41.7	19.549 108	- 113 17	- 48 14	1310
6685	8.3 A0	8 33.55	3.5835 678	59 48 6.5	19.551 108	- 19 15	- 37 13	1362
6688	9.2 G0	8 54.53	3.4932 539	54 55 21.6	19.558 104	+ 50 14	- 83 12	+ 1451
6692	8.8 G5	9 14.78	3.5681 662	59 21 59.0	19.565 106	- 11 14	- 29 12	1363

6618 = BDS 5658: 8.5, 11.7, 7″.5.

6660 = PGC 2963.

Epochs: Stars 6586 to 6635, 1916.94; stars 6637 to 6692, 1917.06

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6693	8.2 G5	9 17.87	+3.5728 - 670	59 37 35.6	- 19.566 - 106	-.032 ± 15	-.033 ± 13	1364
6697	9.0 F8	10 0.42	3.4978 558	55 47 31.6	19.579 102	- 25 16	- 17 12	1453
6701	9.0 G0	10 31.44	3.5625 669	59 42 22.0	19.589 103	+ 18 14	+ 15 12	1366
6705	8.8 K5	11 16.70	3.4898 559	55 57 27.3	19.603 99	- 31 14	+ 17 12	+ 1510
6707	7.2 K0	11 18.62	3.5043 583	56 52 39.1	19.603 99	- 30 12	- 14 9	1511
6708	9.4 G5	11 24.10	+3.4786 - 543	55 18 0.6	- 19.605 - 98	- 13 ± 14	- 4 ± 12	1454
6711	7.4 K0	11 50.67	3.5470 661	59 34 10.6	19.613 99	+ 7 14	+ 24 12	1367
6712	9.0 K5	11 53.88	3.4750 542	55 20 0.2	19.614 97	- 68 14	+ 24 12	1455
6713	9.0 G5	11 57.48	3.5001 584	56 58 4.0	19.615 98	- 19 14	- 11 12	+ 1314
6714	8.8 G5	11 59.56	3.4936 574	56 35 2.4	19.616 98	+ 12 14	- 9 12	1512
6715	9.3 F5	12 22.93	+3.4936 - 578	56 47 44.7	- 19.623 - 97	- 26 ± 16	+ 2 ± 12	1513
6716	9.2 G5	12 31.70	3.4939 580	56 53 36.6	19.626 96	+ 10 16	+ 9 12	1514
6717	8.4 G5	13 3.68	3.4956 590	57 17 24.6	19.635 95	- 2 14	+ 8 12	1315
6719	7.8 A2	13 11.13	3.5319 653	59 27 34.5	19.637 95	- 15 14	+ 29 12	1368
6721	9.0 F8	13 24.11	3.4587 532	55 3 56.8	19.641 93	- 13 14	- 6 12	1456
6723	7.5 G5	14 14.17	+3.5166 - 641	59 10 4.7	- 19.656 - 93	+ 38 ± 14	0 ± 12	1369
6724	9.2 A5	14 28.70	3.5131 638	59 6 22.2	19.660 93	- 16 14	- 19 12	1370
6726	6.2 A2	14 38.50	3.4890 598	57 45 32.6	19.663 92	- 63 14	+ 12 12	1316
6728	9.0 F8	14 55.78	3.4499 535	55 20 5.2	19.668 90	- 150 14	+ 10 12	1459
6734	8.8 G5	15 58.83	3.5016 638	59 16 25.5	19.686 89	- 41 14	- 58 12	1371
6735	9.3 G0	16 8.75	+3.5001 - 638	59 16 52.4	- 19.688 - 89	- 71 ± 14	- 23 ± 12	1372
6739	9.0 F8	16 41.35	3.4748 600	58 2 11.1	19.697 87	+ 98 14	- 64 12	1315
6741	9.0 K0	17 5.98	3.4996 651	59 47 28.4	19.704 87	+ 37 14	- 35 12	1374
6746	8.2 F0	18 32.12	3.4170 521	55 5 43.4	19.727 81	- 27 14	- 7 12	1461
6747	8.8 G5	18 40.99	3.4784 635	59 26 55.4	19.729 83	+ 2 14	+ 24 12	1377
6748	9.0 G5	18 42.54	+3.4291 - 545	56 7 41.1	- 19.730 - 81	- 57 ± 14	- 64 ± 12	1516
6751*	6.6 G5	18 53.04	3.4331 555	56 32 9.5	19.732 81	- 89 16	+ 33 12	1518
6755	9.4 G5	19 51.77	3.4134 531	55 40 37.0	19.748 78	- 48 14	- 22 12	1464
6757	8.1 K2	20 11.58	3.4103 530	55 39 1.9	19.752 78	+ 18 13	- 35 10	1465
6758	7.7 G5	20 11.62	3.4136 536	55 54 24.2	19.753 78	- 44 16	+ 10 12	+ 1519
6763	7.6 F8	20 30.26	+3.4287 - 569	57 15 47.0	- 19.757 - 77	- 120 ± 14	- 29 ± 12	1323
6764	8.4 G5	20 34.20	3.4591 627	59 23 22.8	19.758 78	- 49 14	- 13 12	1380
6765	8.8 K0	20 34.48	3.4447 600	58 25 47.1	19.758 77	- 2 14	- 27 12	1318
6766	7.7 A0	21 9.38	3.4111 544	56 21 21.6	19.767 76	+ 37 16	- 15 12	1521
6767	9.4 G5	21 14.30	3.4403 601	58 33 21.4	19.768 76	+ 30 13	- 21 11	1319
6769	9.2 F5	21 37.71	+3.4370 - 601	58 35 4.2	- 19.774 - 75	- 36 ± 14	- 16 ± 12	1320
6773	9.1 G0	22 7.63	3.4445 623	59 25 26.1	19.781 74	+ 45 14	+ 27 12	1381
6774	8.0 G5	22 32.22	3.3887 520	55 29 28.1	19.787 72	+ 2 14	- 18 12	1466
6776	6.5 A2	22 42.52	3.4112 566	57 25 36.5	19.790 72	- 118 14	- 58 12	1324
6777	8.7 G0	22 49.53	3.3787 505	54 50 17.2	19.791 71	- 24 14	+ 16 12	1445
6778	9.2 K0	22 55.78	+3.3815 - 512	55 9 59.3	- 19.793 - 71	- 178 ± 15	+ 19 ± 12	1467
6780	6.4 G5	23 14.56	3.3778 509	55 3 6.9	19.797 70	- 2 14	- 53 11	1468
6781	8.7 F8	23 21.04	3.4076 569	57 35 50.4	19.799 71	- 88 14	- 29 12	1325
6782	6.8 F0	23 41.85	3.4024 564	57 26 5.9	19.803 70	- 26 14	- 26 12	1326
6786	7.3 K5	24 26.73	3.4006 572	57 49 26.9	19.813 68	+ 5 14	- 14 12	1327
6787	8.4 F5	24 37.65	+3.3705 - 513	55 25 36.6	- 19.816 - 67	+ 9 ± 16	0 ± 12	1469
6791	8.4 G5	24 54.30	3.4132 605	59 7 11.1	19.820 67	- 86 14	+ 6 12	1384
6792	9.3 G5	24 56.03	3.4159 611	59 20 22.4	19.820 67	- 49 14	- 7 12	1383
6793	9.1 G0	24 56.61	3.3747 526	56 2 39.0	19.820 66	- 14 12	- 37 9	1522
6795	8.9 G0	25 3.36	3.3939 568	57 44 22.5	19.822 67	+ 5 14	- 7 12	1328

6751 = PGC 3007. Epochs: Stars 6693 to 6755, 1917.06; stars 6757 to 6795, 1917.22

11h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
6799*	7.2 F8	25 24.55	+3.3790 - 543	56 46 59.2	- 19.827 - 66	-.250 ± 14	+.110 ± 12	1523
6803	8.7 F8	25 56.37	3.3669 525	56 6 30.2	19.833 64	- 51 13	- 11 10	1525
6806	9.2 F8	26 7.14	3.3548 503	55 7 57.3	19.836 64	- 69 16	- 56 11	1471
6808	7.9 K0	26 39.58	3.3625 527	56 16 22.2	19.842 63	- 36 15	- 22 11	1526
6811	8.6 K5	27 35.81	3.3839 589	58 50 47.2	19.854 61	- 20 14	+ 1 12	1325
6812	9.0 F5	27 39.25	+3.3946 - 614	59 44 30.2	- 19.855 - 61	- 1 ± 14	- 30 ± 12	1387
6815	9.5	28 3.51	3.3935 619	59 57 56.7	19.860 60	- 14 15	- 41 13	+ 1334
6817*	6.0 G5	28 11.13	3.3412 505	55 28 33.2	19.861 59	+ 2 14	+ 11 12	1473
6823	7.4 K2	28 37.37	3.3747 587	58 53 39.3	19.867 59	+ 16 14	- 5 12	+ 1388
6824	9.3 G0	28 51.05	3.3554 548	57 23 22.5	19.869 58	- 36 14	- 40 12	1330
6825	9.2 F0	28 55.90	+3.3722 - 587	58 55 59.1	- 19.870 - 58	+ 3 ± 14	+ 9 ± 12	+ 1389
6827	8.3 K0	29 16.58	3.3530 550	57 31 45.2	19.874 57	- 20 14	- 4 12	1331
6833	8.7 K5	30 5.76	3.3473 551	57 41 13.3	19.884 55	- 8 14	- 9 12	1332
6834	8.9 K7	30 17.40	3.3298 514	56 7 52.1	19.886 54	+ 45 13	- 5 10	1533
6837	9.1 G0	30 36.42	3.3583 587	59 8 8.6	19.890 54	- 22 12	+ 16 11	1392
6840	8.8 F	30 52.56	+3.3597 - 596	59 29 27.4	- 19.893 - 54	- 54 ± 14	- 3 ± 12	1393
6844	8.2 G5	31 31.05	3.3569 602	59 47 27.7	19.900 52	- 4 14	- 4 12	1394
6847	9.0 K2	31 56.37	3.3368 561	58 19 25.3	19.904 51	- 38 14	+ 2 12	1329
6848	9.0 F5	32 21.69	3.3384 573	58 51 24.1	19.909 50	- 7 14	+ 11 12	1330
6850	9.0 F	32 37.20	3.3427 590	59 29 45.2	19.911 50	- 27 14	+ 6 12	1395
6854	8.1 F5	33 31.52	+3.3005 - 502	55 59 41.2	- 19.921 - 47	- 147 ± 14	+ 36 ± 12	+ 1536
6855*	6.6 A0	33 36.39	3.3246 564	58 39 45.1	19.921 47	+ 31 14	+ 5 12	1331
6863	9.0	34 36.48	3.3243 586	59 37 33.6	19.931 45	- 214 15	- 48 13	1396
6864	8.5 G	34 37.00	3.3241 586	59 37 3.3	19.932 45	- 238 15	- 67 13	1397
6865	9.2 K7	34 47.99	3.3017 530	57 24 17.5	19.933 44	- 3 14	- 21 12	1333
6866	8.9 G5	34 55.57	+3.2982 - 523	57 8 47.8	- 19.934 - 44	- 66 ± 14	- 2 ± 12	1334
6867	6.4 K5	34 56.66	3.2874 495	55 51 53.0	19.935 44	- 22 14	+ 12 12	1481
6868	9.4 G5	35 9.72	3.2988 530	57 27 21.1	19.937 44	- 58 14	0 12	1335
6869	9.1 F8	35 43.62	3.2833 500	56 11 44.2	19.942 43	- 2 12	+ 33 10	1538
6870	9.2 G5	35 45.40	3.3087 570	59 10 18.0	19.942 42	- 141 15	- 53 13	1398
6873	8.3 F8	36 7.54	+3.2782 - 494	55 59 16.5	- 19.946 - 42	- 127 ± 16	- 78 ± 12	+ 1539
6875	7.8 K5	36 24.59	3.2814 509	56 42 49.6	19.948 41	- 38 14	- 23 12	1540
6877	8.9 G0	36 41.47	3.2865 529	57 38 18.2	19.951 41	+ 32 14	+ 10 12	1336
6880	8.8 K2	36 50.01	3.2661 476	55 9 58.6	19.952 40	+ 11 16	- 29 12	1483
6881	8.0 F0	37 3.52	3.2955 564	59 6 17.0	19.954 40	- 5 14	- 7 12	1400
6887	9.0	38 24.40	+3.2900 - 582	59 59 17.0	- 19.965 - 37	- 7 ± 15	- 41 ± 13	+ 1349
6889	7.6 G5	39 10.00	3.2719 547	58 43 18.0	19.972 35	- 128 14	- 12 12	1333
6890	9.2 F8	39 31.03	3.2683 545	58 40 26.0	19.974 34	+ 6 14	- 34 12	1334
6893	8.7 K	39 40.58	3.2423 468	55 8 38.7	19.975 34	+ 19 16	- 27 12	1485
6894	9.2 F8	39 41.64	3.2530 501	56 47 52.2	19.976 34	- 32 14	+ 3 12	1541
6895	8.3 K0	39 42.52	+3.2477 - 485	56 2 8.6	- 19.976 - 34	- 26 ± 13	- 44 ± 11	1542
6896	7.8 A3	39 49.68	3.2750 574	59 54 10.9	19.977 33	+ 48 15	- 27 13	+ 1352
6897	8.8 G0	39 52.78	3.2510 500	56 45 4.0	19.977 33	- 53 14	- 33 12	1543
6899	9.2 F8	39 57.95	3.2412 471	55 21 35.8	19.978 33	- 45 14	- 21 12	1486
6901*	5.4 K0	40 13.64	3.2451 490	56 19 23.7	19.980 33	- 10 16	- 23 12	1544
6907	9.2 K0	40 34.26	+3.2573 - 538	58 32 55.6	- 19.982 - 32	- 5 ± 14	+ 20 ± 12	1335
6908	8.4 F8	40 38.38	3.2572 540	58 37 45.3	19.983 32	- 66 14	- 42 12	1336
6910	9.0 G0	41 16.56	3.2304 468	55 24 20.7	19.987 30	- 80 15	- 88 11	1488
6912	8.8 K5	41 51.67	3.2270 472	55 40 2.5	19.991 28	- 31 14	- 4 12	1489
6913	8.3 K0	41 55.32	3.2298 483	56 14 1.5	19.992 28	+ 20 16	+ 68 12	1547

6799 = BDS 5813: 7.3, 9.6, 11"; separated on plates. 6817 = PGC 3046.
6855 = PGC 3072. 6901 = PGC 3093. Epoch of observation, 1917.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"		
6914	8.8 F5	42 5.23	+ 3.2509 - 561	59 42 23.2	- 19.993 - 29	-.030 ± 14	+.002 ± 12	1402
6916	8.8 G	43 12.14	3.2146 464	55 28 14.4	20.000 26	+ 23 13	+ 10 11	1490
6917	6.6 K0	43 36.21	3.2085 453	54 56 49.7	20.003 25	+ 27 14	- 5 12	+ 1491
6921	8.5 F8	44 12.38	3.2215 521	58 20 59.1	20.007 24	- 63 14	+ 27 12	1338
6924	7.0 G5	44 44.62	3.2164 519	58 20 10.3	20.010 22	- 40 14	- 19 12	1340
6925	8.7 K0	44 51.32	+ 3.1983 - 451	54 59 25.7	- 20.010 - 22	- 7 ± 12	- 22 ± 9	+ 1494
6926	9.0 A7	44 51.75	3.2227 548	59 37 6.8	20.010 22	- 51 14	+ 6 12	1405
6927	9.0 G5	44 52.59	3.1992 455	55 14 2.5	20.011 22	- 45 14	- 10 12	1493
6928	9.0 K0	45 19.18	3.1989 468	55 58 18.0	20.013 21	- 47 14	+ 19 12	+ 1550
6930	9.2 F5	45 29.79	3.1931 449	55 1 19.2	20.014 21	- 37 17	+ 24 15	1495
6931	8.7 K5	45 44.96	+ 3.2109 - 532	59 4 28.6	- 20.016 - 20	- 21 ± 14	- 14 ± 12	1406
6932	8.8 A5	46 4.87	3.1995 496	57 28 39.3	20.017 20	- 4 14	- 27 12	1339
6937	9.0 G	46 55.97	3.2012 537	59 27 29.4	20.022 18	- 157 14	- 39 12	1407
6938	7.8 F8	46 59.28	3.1890 483	56 59 46.6	20.022 18	- 68 14	- 52 12	+ 1341
6941	8.6 K5	47 47.57	3.1898 519	58 48 2.5	20.026 16	+ 7 12	+ 2 11	1342
6942	9.0 K	47 50.82	+ 3.1952 - 547	60 2 33.0	- 20.026 - 16	- 8 ± 15	- 13 ± 13	1361
6943	9.1 G0	48 1.50	3.1877 519	58 50 12.8	20.027 16	- 36 15	- 12 13	1343
6944	8.4 G5	48 6.56	3.1710 440	54 55 56.6	20.027 16	+ 3 11	- 138 9	+ 1496
6946	8.5 K0	48 45.31	3.1721 472	56 42 23.8	20.030 14	+ 26 13	- 5 11	1554
6948	8.4 A3	48 56.48	3.1660 448	55 28 29.4	20.031 14	0 14	+ 2 12	1497
6951*	5.8 K0	49 26.10	+ 3.1682 - 481	57 17 39.6	- 20.033 - 13	+ 9 ± 14	+ 6 ± 12	1343
6954	8.4 K2	49 39.37	3.1721 513	58 51 56.2	20.034 13	- 20 14	+ 7 12	1345
6957	8.7 F8	49 49.83	3.1716 520	59 10 19.2	20.035 12	- 8 14	+ 4 12	1408
6958	7.5 Md	49 58.27	3.1679 506	58 34 3.0	20.035 12	- 28 14	- 12 12	1346
6959	9.3 K0	50 6.72	3.1702 526	59 30 50.5	20.036 12	- 28 14	+ 15 12	1409
6965	8.5 F2	50 50.76	+ 3.1571 - 487	57 48 45.9	- 20.038 - 9	+ 12 ± 14	- 5 ± 12	1345
6966	8.0 G0	50 52.54	3.1607 512	58 59 46.6	20.038 9	- 106 15	- 40 13	+ 1411
6967	8.8 M2	50 56.19	3.1556 483	57 37 23.4	20.039 9	- 13 14	- 7 12	1346
6968	9.2 K7	51 4.32	3.1501 455	56 13 37.1	20.039 9	- 23 14	+ 59 12	1556
6971	8.6 F5	51 34.20	3.1421 430	54 52 53.3	20.041 8	- 107 16	- 5 12	1481
6973	8.2 K0	52 12.58	+ 3.1376 - 433	55 10 55.9	- 20.043 - 7	+ 9 ± 14	- 21 ± 12	1500
6977	8.2 F5	52 58.43	3.1314 432	55 15 55.5	20.045 5	+ 26 14	+ 13 12	1501
6980	8.4 F2	53 23.21	3.1384 520	59 47 17.1	20.046 4	- 81 14	- 32 12	1414
6983	9.1 K2	53 31.14	3.1292 452	56 25 50.9	20.046 4	+ 37 12	+ 32 10	1557
6985	8.3 G5	53 51.26	3.1299 484	58 10 15.5	20.047 3	- 139 13	- 20 11	1349
6986	8.0 F8	54 13.81	+ 3.1307 - 522	60 2 56.5	- 20.048 - 3	+ 23 ± 15	- 3 ± 13	1368
6989	8.8 K5	55 23.24	3.1129 447	56 31 23.7	20.050 0	- 5 14	+ 24 12	1558
6990	8.8 K0	55 24.59	3.1113 431	55 34 1.8	20.050 0	- 19 16	- 25 12	1506
6991	8.5 F5	55 28.72	3.1155 488	58 38 22.8	20.050 0	- 27 12	- 11 10	1350
6992	9.2 F5	55 39.79	3.1137 487	58 37 26.6	20.051 0	- 40 14	- 26 12	1351
6994	8.8 G0	56 2.41	+ 3.1073 - 447	56 36 45.7	- 20.051 + 1	- 16 ± 14	- 3 ± 12	1559
6997	9.1 G	56 33.72	3.1046 474	58 7 23.5	20.052 2	+ 86 14	- 38 12	1352
6999	9.4 F5	57 21.87	3.0952 436	56 12 58.9	20.053 4	+ 5 16	+ 30 12	1560
7005	8.0 G5	58 17.53	3.0863 409	54 47 33.8	20.054 6	- 82 14	+ 1 12	1488
7007	8.9 G5	58 23.49	3.0870 455	57 29 52.2	20.054 6	+ 22 12	- 9 10	1352
7008	8.4 G5	58 29.20	+ 3.0868 - 480	58 48 46.2	- 20.054 + 6	- 43 ± 12	- 83 ± 10	1355
7011	8.8 K0	58 44.38	3.0828 416	55 17 46.6	20.054 6	- 45 14	- 35 12	1510
7012	8.8 G	58 56.76	3.0816 439	56 40 35.4	20.054 7	- 33 14	- 2 12	1564
7013	9.0 G5	59 14.60	3.0792 456	57 40 35.3	20.054 7	- 14 14	- 62 12	1354
7015	9.0 K5	59 30.49	3.0770 486	59 16 31.5	20.054 8	- 74 14	- 16 12	1417

6951 = PGC 3125.

Epoch of observation, 1917.22

$11^h - 12^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
7020	9.1 F8	59 49.90	+ 3.0736 − 423	55 55 25.0	− 20.054 + 9	−.064 ± 17	+.051 ± 14	+ 1566
7021	9.6 G0	0 9.52	3.0709 419	55 45 40.4	20.054 9	+ 51 17	− 32 14	1511
7022	7.1 F0	0 25.37	3.0682 463	58 17 48.4	20.054 9	− 104 14	− 25 12	1358
7028	8.7 F2	1 41.79	3.0568 440	57 16 7.1	20.054 11	− 31 14	− 34 12	1356
7030	8.0 F8	1 50.13	3.0561 421	56 9 37.0	20.054 12	− 174 14	− 15 12	1568
7031	8.5 F8	1 52.82	+ 3.0558 − 421	56 9 40.1	− 20.054 + 12	− 150 ± 14	− 21 ± 12	1569
7032	7.7 G5	2 0.66	3.0525 475	59 15 7.2	20.054 12	− 49 14	+ 8 12	1420
7034	8.4 F2	2 43.39	3.0457 469	59 3 41.9	20.053 13	− 61 14	− 13 12	1421
7035	8.2 G0	2 46.26	3.0445 481	59 42 55.8	20.053 14	− 58 15	− 77 13	1422
7038	8.6 Ma	3 18.76	3.0399 467	59 4 47.2	20.052 15	− 50 14	− 19 12	1423
7040	9.1 G5	3 36.24	+ 3.0371 − 467	59 7 56.2	− 20.052 + 15	− 22 ± 14	+ 24 ± 12	1424
7041	7.7 K0	3 49.47	3.0360 452	58 22 23.8	20.052 16	− 42 14	− 14 12	1360
7042	9.2 G5	3 55.19	3.0381 414	56 10 37.9	20.051 16	+ 31 14	− 31 12	1571
7043	8.5 G0	3 58.58	3.0389 399	55 11 3.0	20.051 16	+ 6 14	− 39 11	1514
7044	9.1 F8	3 59.80	3.0390 396	55 1 16.5	20.051 16	+ 34 16	− 10 12	1513
7045	8.6 K0	4 5.67	+ 3.0373 − 405	55 36 24.2	− 20.051 + 16	− 33 ± 14	− 29 ± 12	1515
7048	9.1 G5	4 35.15	3.0285 453	58 33 2.2	20.050 17	+ 15 14	− 14 12	1361
7049	8.8 F5	4 45.11	3.0299 422	56 48 11.9	20.050 18	+ 15 14	+ 25 12	1572
7050	7.7 K0	4 50.98	3.0318 394	55 3 16.9	20.050 18	− 7 16	− 35 12	1516
7052	8.4 K2	4 57.19	3.0271 430	57 21 27.8	20.050 18	− 49 14	− 20 12	1357
7053	9.0 G	4 58.15	+ 3.0238 − 461	59 4 35.5	− 20.050 + 18	− 79 ± 15	− 47 ± 13	1426
7054	9.0	5 0.80	3.0216 478	59 58 57.0	20.049 18	+ 6 15	− 5 13	+ 1381
7056	8.4 K7	5 26.36	3.0200 452	58 42 19.3	20.049 19	− 25 14	− 13 12	1363
7057*	5.8 K5	5 30.58	3.0213 435	57 45 0.9	20.048 19	+ 4 14	− 16 12	1359
7058	8.9 G5	5 35.91	3.0165 469	59 38 12.8	20.048 19	− 12 15	− 33 13	1427
7061	9.3 F2	5 47.07	+ 3.0187 − 435	57 48 5.1	− 20.048 + 20	+ 38 ± 14	− 7 ± 12	1360
7062	9.2 G0	5 49.28	3.0164 450	58 41 10.5	20.048 20	− 31 14	− 16 12	1364
7066	8.8 F2	5 56.57	3.0197 414	56 34 33.2	20.047 20	+ 2 13	+ 38 12	1574
7068	6.9 K0	6 5.16	3.0187 411	56 24 5.5	20.047 20	− 141 16	− 16 12	1575
7069	9.0 F5	6 8.38	3.0179 414	56 37 34.3	20.047 20	− 35 14	+ 21 12	——
7079	8.3 K0	8 9.83	+ 3.0009 − 402	56 16 18.2	− 20.042 + 24	+ 4 ± 13	− 4 ± 11	1578
7080	9.4 F8	8 16.96	2.9910 451	59 15 9.4	20.041 25	− 48 15	− 39 13	1429
7081	8.2 K5	8 58.25	2.9829 455	59 38 34.6	20.039 26	− 20 15	− 23 13	1431
7082	8.4 G0	9 4.53	2.9931 398	56 12 21.7	20.038 26	− 127 14	− 3 12	1579
7086	8.2 F5	9 29.61	2.9825 430	58 18 7.1	20.037 27	− 102 14	+ 3 12	1365
7087	9.0 F2	9 40.32	+ 2.9868 − 402	56 34 29.8	− 20.036 + 27	+ 14 ± 14	+ 12 ± 12	1581
7089	8.2 G5	10 0.34	2.9837 402	56 36 55.6	20.035 28	− 25 14	− 3 12	1582
7091	8.9 G5	10 12.77	2.9721 444	59 15 4.6	20.034 28	− 41 14	− 29 12	1434
7093	7.2 K2	10 42.01	2.9762 405	56 58 35.3	20.032 29	− 93 14	− 44 12	+ 1364
7094	8.6 G5	10 45.67	2.9673 439	59 7 5.6	20.032 29	− 29 15	+ 5 13	1435
7095	9.0 F8	10 48.32	+ 2.9709 − 422	58 6 57.3	− 20.032 + 29	− 35 ± 14	− 14 ± 12	1367
7097	8.4	11 22.96	2.9574 451	59 56 48.6	20.029 30	− 108 15	− 36 13	+ 1389
7104	9.1 G0	12 26.17	2.9654 383	55 51 6.0	20.025 32	+ 25 14	− 3 12	1523
7105	7.7 K0	12 31.35	2.9667 375	55 18 30.3	20.024 32	− 24 14	− 42 12	1524
7110	9.1 G5	13 5.40	2.9576 388	56 20 47.4	20.022 33	− 40 16	− 17 12	1585
7112	8.8 F8	13 31.84	+ 2.9598 − 367	54 56 4.5	− 20.019 + 34	− 21 ± 14	− 22 ± 12	+ 1525
7118	9.1 F2	14 43.04	2.9456 376	55 52 48.7	20.013 36	− 28 16	− 10 12	+ 1587
7119*	6.2 K2	14 47.23	2.9313 415	58 33 34.5	20.013 37	+ 42 14	− 80 12	1371
7120	9.0 K0	15 16.04	2.9316 400	57 40 23.0	20.010 37	+ 32 14	− 25 12	1369
7125	9.2 F8	15 39.21	2.9337 383	56 37 13.6	20.007 38	− 73 14	+ 24 12	1588

7057 = PGC 3179. 7119 = PGC 3219.

Epochs: Star 7020, 1917.22; stars 7021 to 7125, 1917.26

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
7126	9.0 G0	15 49.31	+2.9350 - 375	56 6 22.1	- 20.006 + 38	-.023 ± 15	-.007 ± 11	1589
7132	9.0 G0	16 11.79	2.9165 413	58 46 35.6	20.004 38	- 30 14	- 16 12	1372
7133	9.3 F8	16 18.09	2.9155 413	58 46 41.2	20.004 39	- 21 14	+ 60 12	——
7134	9.0 K2	16 20.50	2.9097 426	59 38 4.2	20.003 39	- 4 14	+ 2 12	1437
7136	7.8 F5	16 38.06	2.9256 379	56 31 43.3	20.001 39	- 29 14	- 9 12	1590
7141	8.6 F5	17 39.60	+2.9229 - 360	55 25 24.0	- 19.995 + 41	- 43 ± 14	- 21 ± 12	1528
7143	7.5 G5	17 47.99	2.9249 353	54 51 4.1	19.994 42	+ 23 13	- 15 11	1522
7145	8.0 K2	17 59.51	2.9013 402	58 28 37.8	19.992 42	- 45 14	- 3 12	1373
7146	9.2 F2	18 16.72	2.9188 356	55 14 23.0	19.991 43	0 14	- 34 12	1529
7150	9.4 F8	18 33.51	2.9135 362	55 43 57.6	19.989 43	0 14	- 27 12	1530
7152	8.4 G0	18 47.30	+2.8967 - 392	58 2 42.6	- 19.987 + 43	- 44 ± 14	- 7 ± 12	1374
7155	8.9 A	19 1.38	2.8958 389	57 51 32.4	19.985 43	- 13 14	+ 10 12	1372
7156*	6.0 Ma	19 4.13	2.8980 383	57 28 15.1	19.985 44	+ 8 14	- 17 12	1373
7159	9.1 K0	19 18.53	2.9017 370	56 35 35.0	19.983 44	+ 10 15	+ 16 11	1591
7160	9.4 A3	19 22.82	2.8884 396	58 26 33.5	19.983 44	- 27 14	- 7 12	1375
7161	8.4 K0	19 23.03	+2.9035 - 365	56 12 9.6	- 19.983 + 44	- 62 ± 14	- 16 ± 12	1592
7163	9.3 F8	19 28.47	2.8880 395	58 22 36.9	19.982 44	- 28 14	+ 28 12	1376
7164	8.9 G0	20 2.34	2.8980 363	56 10 4.2	19.978 45	- 61 14	- 15 12	1594
7165	8.6 K0	20 7.55	2.8944 368	56 36 11.3	19.977 45	- 17 14	- 9 10	1595
7167	7.0 K2	20 20.57	2.9012 350	55 16 50.7	19.975 46	- 41 14	- 22 12	1531
7170	7.1 A0	20 33.35	+2.8957 - 357	55 51 5.6	- 19.974 + 46	+ 15 ± 14	+ 1 ± 12	1533
7171	9.0 F5	21 15.49	2.8774 377	57 33 11.6	19.968 48	- 51 14	- 16 12	1374
7173*	6.0 Ma	21 37.83	2.8825 360	56 24 18.0	19.965 48	- 51 13	- 4 11	1598
7175	9.4 G5	21 51.75	2.8841 353	55 54 49.8	19.963 49	+ 7 14	+ 25 12	+ 1599
7178	8.9 G5	22 0.26	2.8684 378	57 50 48.4	19.962 49	- 2 14	+ 3 12	1375
7179	8.9 K2	22 26.80	+2.8870 - 338	54 46 48.2	- 19.958 + 50	- 10 ± 12	- 36 ± 10	1528
7181	8.4 G5	23 38.46	2.8600 362	57 1 39.0	19.948 51	- 10 14	- 189 12	1376
7182	8.6 A2	23 39.34	2.8686 348	55 55 46.0	19.948 51	- 17 14	+ 14 12	+ 1600
7184*	5.6 A5	24 6.33	2.8377 387	59 5 40.6	19.943 52			1444
7185	9.4 F5	24 8.13	2.8322 394	59 38 38.6	19.943 52	- 57 14	- 7 12	1445
7186	6.0 K0	24 12.82	+2.8333 - 392	59 27 33.2	- 19.942 + 52	- 9 ± 15	- 59 ± 13	1446
7190	9.0 F8	24 50.13	2.8431 366	57 44 26.6	19.937 54	- 48 14	- 2 12	1377
7191	8.3 K0	25 23.76	2.8547 341	55 48 34.2	19.931 55	+ 113 14	- 12 12	1536
7193	9.0 G0	25 48.16	2.8436 350	56 41 45.3	19.927 55	- 53 14	- 30 12	1601
7195	8.9 G5	25 54.70	2.8420 351	56 45 55.4	19.926 55	0 14	- 7 12	1602
7196	9.1 G5	25 59.38	+2.8493 - 339	55 49 8.7	- 19.925 + 56	- 259 ± 14	+ 6 ± 12	1537
7197	9.0 K5	26 17.36	2.8259 366	58 8 55.3	19.922 56	- 19 14	- 27 12	1381
7199	9.2 K0	26 23.16	2.8489 334	55 29 21.3	19.922 56	+ 19 14	- 3 12	——
7201	9.2 A2	26 30.74	2.8421 341	56 9 28.7	19.920 56	- 24 14	- 17 12	1603
7202	9.0 A2	26 37.79	2.8503 329	55 4 36.3	19.919 57	+ 32 14	- 35 12	1539
7203	8.4 G0	26 40.15	+2.8270 - 359	57 40 9.5	- 19.919 + 56	- 4 ± 14	- 127 ± 12	1378
7205	8.2 F2	27 2.50	2.8434 332	55 29 8.1	19.915 57	- 22 14	- 29 12	1540
7206	9.3 G0	27 27.99	2.8331 339	56 14 37.5	19.910 58	+ 15 13	- 29 10	1604
7207	8.7 G0	27 28.85	2.8353 336	55 58 54.6	19.910 58	+ 19 14	+ 7 12	+ 1605
7208	9.0 K0	27 34.97	2.8368 332	55 41 47.0	19.909 58	- 174 14	- 41 12	1541
7211	8.2 A2	28 49.30	+2.7940 - 366	58 55 37.5	- 19.896 + 60	+ 7 ± 14	- 13 ± 12	+ 1448
7212	8.6 G5	28 52.39	2.8233 332	55 58 38.4	19.895 60	- 150 14	+ 13 12	+ 1607
7214	9.2 F2	29 12.76	2.7902 365	58 55 36.9	19.892 60	+ 26 15	- 33 13	+ 1450
7215	9.2 G5	29 13.71	2.8098 343	57 3 15.7	19.891 60	- 13 14	- 32 12	1379
7216	9.2 K5	29 15.83	2.7802 375	59 45 31.5	19.891 60	+ 8 15	- 60 13	1449

7156 = PGC 3234. 7173 = PGC 3248. 7184 = PGC 3260. Epoch, 1917.26.

12h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
7219	9.2 F5	29 44.40	+ 2.8036 - 343	57 12 41.0	- 19.886 + 61	-.083 ± 14	+.021 ± 12	1380
7220	9.3	29 59.28	2.8009 342	57 15 52.7	19.883 62	- 31 17	- 16 14	
7221	7.4 K2	30 1.29	2.8006 342	57 16 3.9	19.882 62	0 16	- 34 13	1381
7223	7.0 K2	30 23.47	2.7946 344	57 30 53.7	19.878 62	+ 29 14	- 32 12	1382
7225	8.2 K0	30 45.82	2.7858 348	58 0 18.4	19.874 63	- 6 14	+ 20 12	1384
7226	8.8 G0	30 48.46	+ 2.8089 - 323	55 46 3.6	- 19.873 + 64	- 63 ± 14	- 1 ± 12	1544
7227	8.6 F2	31 10.38	2.7892 339	57 21 45.5	19.869 63	+ 11 14	+ 6 12	1383
7228	9.0 K0	31 13.64	2.7690 359	59 5 5.1	19.868 63	0 14	+ 15 12	1452
7230	9.6	31 36.77	2.7552 367	59 53 49.1	19.864 64	+ 10 15	- 31 13	+ 1407
7231	8.4 F5	31 39.28	2.7546 367	59 54 18.8	19.863 64	- 51 15	- 39 13	+ 1408
7233	8.5 F8	31 46.83	+ 2.7916 - 329	56 38 1.4	- 19.862 + 65	- 59 ± 15	+ 20 ± 11	1610
7236	6.6 G5	32 9.27	2.7998 316	55 32 27.5	19.857 65	- 43 14	- 5 12	1545
7237	9.2 F5	32 9.99	2.7872 329	56 43 51.2	19.857 65	- 35 14	+ 2 12	1611
7243	8.4 F8	32 54.01	2.7528 352	59 5 5.2	19.848 66	- 25 14	- 4 12	1454
7244	9.0 M0	32 57.56	2.7906 316	55 46 25.5	19.847 67	+ 25 14	- 7 12	1547
7247	7.4 F2	33 28.95	+ 2.7760 - 324	56 41 28.3	- 19.841 + 67	- 89 ± 14	- 4 ± 12	1612
7248	9.2 G0	33 34.81	2.7494 347	58 50 28.7	19.839 67	- 35 14	- 14 12	1386
7253	9.0 K2	34 6.24	2.7732 319	56 27 52.5	19.833 68	- 10 12	+ 3 10	1614
7254	9.0 G5	34 26.88	2.7782 311	55 44 39.5	19.828 69	- 83 14	- 20 12	1548
7255	7.9 M0	34 37.90	2.7678 319	56 31 59.8	19.826 69	+ 7 13	0 10	1615
7256	9.0 F5	34 40.64	+ 2.7559 - 328	57 30 0.2	- 19.825 + 69	+ 8 ± 14	+ 45 ± 12	1385
7257	8.6 G0	34 41.76	2.7401 342	58 44 0.5	19.825 69	- 88 14	- 32 12	1388
7262	8.5 K0	35 12.06	2.7389 337	58 28 7.4	19.818 69	- 4 14	+ 7 12	1389
7266	9.1 K5	35 26.35	2.7237 346	59 25 42.2	19.815 70	- 21 15	- 30 13	1456
7267	7.6 F8	35 40.05	2.7182 347	59 38 57.8	19.812 70	- 72 15	- 75 13	1457
7269	8.1 K0	36 1.18	+ 2.7572 - 313	56 24 39.0	- 19.807 + 71	+ 124 ± 14	+ 2 ± 11	1618
7272	8.6 F5	36 29.73	2.7707 297	54 53 23.2	19.801 72	- 20 14	- 23 12	+ 1549
7274	8.6 K0	36 44.73	2.7207 334	58 44 17.2	19.797 72	+ 10 14	+ 3 12	1390
7275	7.0 K2	36 52.40	2.7337 322	57 41 6.2	19.795 72	+ 13 14	- 24 12	1388
7276	8.4 G5	36 55.51	2.7196 332	58 41 38.2	19.795 72	+ 26 14	+ 31 12	1391
7277	8.8 K5	37 3.31	+ 2.7101 - 338	59 16 41.1	- 19.793 + 72	+ 7 ± 15	- 32 ± 13	1459
7281	9.1 K2	37 45.13	2.7003 337	59 28 27.4	19.783 73	- 157 15	+ 2 13	1460
7282	8.6 K0	37 50.44	2.7609 291	54 46 46.3	19.781 75	- 35 14	- 74 12	1545
7283	8.6 F8	37 51.19	2.7229 320	57 48 56.3	19.781 74	- 50 14	- 47 12	1390
7284	9.1 F8	37 54.86	2.6974 337	59 34 21.0	19.781 73	+ 11 15	- 14 13	——
7286	8.2 K0	38 3.52	+ 2.6962 - 337	59 33 18.8	- 19.778 + 73	- 84 ± 15	- 30 ± 13	1461
7287	9.2 G5	38 9.26	2.7084 327	58 39 39.4	19.777 74	+ 19 14	- 3 12	1392
7289	9.2 G0	38 25.85	2.7389 303	56 11 52.4	19.773 75	- 34 15	- 16 11	1622
7291	9.0 K0	38 33.17	2.7515 292	55 5 10.0	19.771 76	+ 9 14	- 50 12	1550
7292	9.4 F8	38 33.85	2.7029 327	58 46 50.3	19.771 75	+ 47 14	- 32 12	1393
7293	8.8 G5	38 55.54	+ 2.6930 - 330	59 12 20.8	- 19.766 + 75	- 108 ± 15	- 110 ± 13	1462
7294	7.5 G0	38 57.60	2.6900 331	59 22 29.2	19.765 75	- 190 15	+ 16 13	1463
7297	8.5 K5	39 21.75	2.6912 327	59 3 7.5	19.759 76	- 31 15	- 26 13	1464
7298	9.2 K2	39 27.29	2.7381 294	55 34 3.5	19.758 77	- 36 14	- 24 10	1551
7303	8.6 K5	40 40.23	2.7032 306	57 24 13.2	19.739 78	+ 47 14	- 85 12	1391
7304	8.2 K0	40 40.68	+ 2.6891 - 315	58 21 42.3	- 19.739 + 78	- 15 ± 14	+ 6 ± 12	1394
7308	9.1 G5	41 48.51	2.7200 285	55 27 13.8	19.722 80	+ 27 16	- 39 12	1553
7310	8.6 K0	42 1.99	2.6869 304	57 40 34.7	19.718 80	- 42 14	+ 17 12	1392
7311	8.8 K2	42 11.25	2.6783 307	58 9 13.8	19.715 80	- 7 14	- 14 12	1395
7312	8.8 G0	42 38.87	2.6914 296	56 59 47.3	19.708 81	- 54 12	+ 12 10	+ 1393

Epochs: Stars 7219 to 7296, 1917.26; Stars 7303 to 7312, 1917.18

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
7313	8.3 G5	42 41.42	+2.7168 -280	55 8 32.2	-19.707 +82	-.002 ± 14	+.005 ± 12	1554
7317	9.0 K2	43 7.91	2.6498 314	59 22 21.0	19.700 81	- 13 14	+ 14 12	1465
7319	8.1 A3	43 18.47	2.7145 276	54 55 48.7	19.697 83	- 20 14	- 1 12	+1555
7320	8.6 K5	43 19.05	2.6470 314	59 25 48.6	19.697 81	+ 17 14	+ 17 12	1466
7325	8.5 F8	43 53.53	2.6308 317	60 2 1.7	19.687 81	- 99 15	- 47 13	1421
7328	7.1 K2	44 25.59	+2.6984 -277	55 26 16.6	-19.679 +84	- 12 ± 12	- 44 ± 10	1556
7331	8.6 K7	45 2.92	2.6247 310	59 44 19.2	19.668 83	+ 2 14	- 10 12	1468
7332	8.6 K0	45 8.94	2.6608 291	57 32 30.7	19.666 84	- 22 14	0 12	1394
7333	9.3 F8	45 23.21	2.6961 271	55 2 11.2	19.662 86	+ 16 16	+ 12 12	1558
7337	8.2 Ma	45 52.00	2.6400 296	58 24 42.7	19.654 85	- 36 14	0 12	1397
7338	7.8 K0	45 58.46	+2.6450 -293	58 3 13.9	-19.652 +85	+ 32 ± 14	- 17 ± 12	1398
7339	8.2 F5	46 22.34	2.6175 302	59 25 13.0	19.645 85	- 37 14	- 48 12	1469
7340	8.0 A5	46 29.53	2.6178 301	59 20 34.8	19.643 85	- 26 14	- 16 12	1470
7343	8.6 K0	46 56.93	2.6484 283	57 18 49.8	19.635 88	+ 2 14	- 30 12	1396
7344	9.2 K0	47 1.30	2.6296 292	58 23 29.4	19.634 87	- 23 14	- 25 12	1399
7348	8.2 F2	47 44.70	+2.6009 -298	59 36 0.5	-19.621 +87	- 50 ± 15	- 23 ± 13	1472
7351	9.0 A0	48 14.76	2.6402 277	57 6 29.0	19.612 89	- 33 14	- 3 12	1397
7353	9.0 G0	48 18.71	2.5973 295	59 30 3.6	19.610 88	+ 18 15	- 92 13	1473
7355	8.8 Ma	48 25.07	2.6322 280	57 29 55.2	19.608 89	- 20 14	- 10 12	1398
7358	9.0 K0	48 34.46	2.6531 269	56 8 28.1	19.605 90	+ 3 14	+ 7 12	1628
7359	9.2	48 49.92	+2.5822 297	60 1 12.5	-19.601 +88	+ 38 ± 15	- 25 ± 13	1427
7361	9.4	49 9.28	2.5782 296	60 3 37.9	19.595 88	- 17 18	- 50 15	1428
7362	8.4 K0	49 10.62	2.6559 263	55 38 21.0	19.594 90	0 14	+ 1 12	1563
7363	8.4 A0	49 23.51	2.6356 271	56 46 51.6	19.590 91	- 30 14	- 3 12	1629
7364	9.4	49 34.80	2.5976 285	58 50 24.1	19.587 90	+ 2 14	- 58 12	1402
7365	8.6 F0	49 37.26	+2.5973 -285	58 50 22.3	-19.586 +90	- 4 ± 14	- 52 ± 12	
7366	9.0 K0	49 44.40	2.6411 266	56 15 55.4	19.584 91	- 46 14	+ 83 12	1630
7367	8.9 G0	49 50.20	2.6161 276	57 41 22.4	19.582 91	- 47 14	- 20 12	1399
7369	9.1 K2	49 54.17	2.5946 284	58 50 30.6	19.581 90	- 15 14	+ 2 12	1403
7372	7.0 A0	50 10.28	2.6476 260	55 38 18.9	19.576 92	- 19 14	- 5 12	1564
7373	7.0 G5	50 10.12	+2.6273 -269	56 52 24.0	-19.575 +91	- 116 ± 14	+ 32 ± 12	1631
7375	8.7 K0	50 11.79	2.6113 276	57 47 5.7	19.575 91	+ 102 12	- 41 11	1400
7376	9.2 G5	50 22.94	2.5723 288	59 44 55.6	19.572 90	- 51 15	- 3 13	1474
7380	9.1 F5	50 56.42	2.6134 269	57 17 7.3	19.561 93	+ 33 14	- 40 12	1401
7381	8.4 A3	51 4.32	2.5943 276	58 16 37.3	19.558 92	+ 33 15	+ 12 13	1404
7382	9.0 G5	51 23.72	+2.6001 -271	57 48 9.3	-19.552 +93	- 7 ± 14	- 17 ± 12	1402
7383	8.5 G0	51 30.91	2.5877 275	58 24 31.2	19.550 93	- 35 14	- 22 12	1405
7384	7.4 A0	51 55.10	2.5848 273	58 22 4.6	19.542 93	+ 22 14	- 3 12	1407
7385	8.6 K5	52 17.62	2.6022 264	57 14 31.8	19.534 94	- 10 14	+ 18 12	1403
7387	9.1 G5	53 3.84	2.5859 265	57 45 16.9	19.519 95	- 40 16	- 11 14	1405
7388	9.0 K2	53 4.52	+2.6272 -250	55 24 51.3	-19.519 +96	+ 18 ± 14	- 43 ± 12	1566
7389	9.1 G0	53 8.09	2.6253 250	55 29 47.7	19.518 96	- 28 14	- 17 12	1567
7390	8.3 F5	53 8.69	2.5599 273	59 2 57.7	19.518 94	+ 24 15	- 23 13	1475
7391	9.4	53 10.81	2.5594 273	59 3 24.9	19.517 94	- 2 15	- 27 13	1476
7392	9.1 G5	53 15.80	2.5866 263	57 37 9.3	19.515 95	- 55 12	- 9 10	1406
7396	9.2 F5	53 39.87	+2.6152 -250	55 49 50.9	-19.507 +97	- 44 ± 14	- 17 ± 12	1568
7397	8.9 K0	54 13.65	2.6188 246	55 21 5.3	19.496 98	+ 91 14	- 43 12	1569
7398	8.7 K2	54 16.09	2.6248 243	54 58 27.2	19.495 98	+ 24 14	- 49 12	+1570
7399	9.2 G	54 32.25	2.5244 274	60 5 7.4	19.489 96	- 91 15	- 34 13	1434
7400	8.6 G0	54 41.60	2.5230 273	60 4 55.0	19.486 96	- 53 15	+ 7 13	1435

Epoch of observation, 1917.18

$12^h - 13^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
7401	8.3 K0	54 51.66	+ 2.6210 - 241	54 54 44.1	- 19.482 + 99	+.009 ± 12	-.036 ± 10	+ 1571
7402	9.0 F8	55 17.73	2.5833 251	56 50 33.7	19.473 98	- 33 14	- 31 12	1634
7403*	5.0 F0	55 22.34	2.5790 252	57 2 25.4	19.472 98	+ 135 14	- 24 12	1408
7404	9.0 K5	56 2.42	2.5599 254	57 43 21.2	19.458 98	+ 56 14	- 34 12	1409
7405	7.6 K0	56 20.23	2.5592 252	57 37 22.1	19.451 99	+ 22 14	- 10 12	1410
7406	7.8 A3	56 25.03	+ 2.5447 - 256	58 18 5.0	- 19.450 + 98	0 ± 14	+ 10 ± 12	1410
7407	9.0 A0	56 25.17	2.5588 252	57 36 18.0	19.450 99	- 1 14	- 18 12	1411
7408	9.3 F8	56 44.19	2.5567 251	57 34 10.1	19.443 99	+ 48 14	- 86 12	1412
7411	9.2 F8	57 8.41	2.5692 245	56 44 46.2	19.434 100	+ 3 14	+ 22 12	1636
7412	7.6 F5	57 13.60	2.5019 261	59 55 4.0	19.432 98	- 50 15	+ 30 13	+ 1438
7414	8.3 F8	57 22.02	+ 2.5617 - 245	57 1 47.6	- 19.429 + 101	- 69 ± 14	- 12 ± 12	1414
7415	9.0 G5	57 24.31	2.5994 233	54 58 30.1	19.428 102	- 29 14	- 32 12	+ 1573
7417	8.8 G	58 1.83	2.5365 248	57 59 13.7	19.415 101	+ 8 14	- 4 12	+ 1411
7418	9.6 F5	58 36.64	2.5010 253	59 22 33.8	19.402 100	+ 5 14	+ 8 12	1481
7419	9.3 G0	58 52.30	2.5509 240	56 54 57.5	19.396 103	- 20 14	- 30 12	+ 1415
7422	8.8 G0	59 24.12	+ 2.4893 - 251	59 33 2.4	- 19.384 + 101	- 44 ± 15	+ 47 ± 13	1482
7434	9.0 G5	1 16.00	2.4648 245	59 49 34.5	19.342 103	- 23 15	+ 17 13	1485
7436	9.0	1 23.36	2.4614 245	59 55 5.7	19.339 103	- 30 15	- 19 13	+ 1442
7437	9.2	1 25.87	2.4568 245	60 5 3.8	19.338 103	- 46 15	- 30 13	1444
7442	8.2 G5	2 25.80	2.4538 240	59 48 58.2	19.315 105	- 61 15	+ 14 13	1486
7443	9.3 F5	2 35.53	+ 2.4878 - 234	58 19 32.5	- 19.311 + 106	+ 3 ± 14	- 19 ± 12	1415
7446	8.8 K5	3 4.91	2.4839 232	58 18 1.5	19.299 107	- 18 14	- 24 12	1416
7450	9.0 F8	4 3.70	2.5325 217	55 39 3.5	19.276 110	- 56 14	- 3 12	1578
7451	9.3 F5	4 12.42	2.4718 228	58 22 50.0	19.272 108	- 32 12	+ 16 11	1417
7452	9.1 K2	4 14.07	2.4504 231	59 14 50.2	19.271 107	- 262 15	- 253 13	1488
7455	7.0 F8	4 24.62	+ 2.4902 - 224	57 29 55.2	- 19.267 + 109	- 82 ± 14	+ 48 ± 12	1419
7456	9.0 K0	4 28.07	2.4488 230	59 13 58.3	19.266 107	- 113 15	- 7 13	1489
7458	9.4 F8	4 46.55	2.4686 226	58 17 57.3	19.259 109	+ 22 17	+ 1 15	1420
7459	8.8 G	4 48.84	2.4697 225	58 14 5.1	19.258 109	- 36 15	- 59 13	1421
7461	7.4 K0	5 1.50	2.4564 226	58 42 39.7	19.252 108	- 11 15	- 7 13	1422
7463	8.4 F5	5 14.82	+ 2.4692 - 223	58 5 30.2	- 19.247 + 109	+ 15 ± 14	- 11 ± 12	1423
7464	8.8 G5	5 14.79	2.5021 217	56 37 37.6	19.247 111	- 64 14	- 21 12	1644
7465	9.0 F8	5 22.99	2.4346 227	59 26 58.7	19.243 108	- 138 15	+ 7 13	1490
7466	8.7 G5	5 24.48	2.5282 211	55 19 20.5	19.243 112	- 25 12	- 38 10	1580
7469	7.7 G5	5 46.10	2.4613 222	58 13 30.3	19.234 110	- 14 12	+ 43 10	1424
7470	9.0 F2	6 1.18	+ 2.4810 - 217	57 16 53.9	- 19.228 + 111	- 63 ± 14	+ 13 ± 12	1421
7472	9.3 G5	6 4.20	2.4597 220	58 10 37.9	19.226 110	- 68 14	- 17 12	1425
7473	8.4 K2	6 30.09	2.4923 213	56 35 30.7	19.216 112	+ 30 14	- 18 12	1645
7478	8.0 G0	7 37.13	2.4223 218	59 6 43.5	19.188 111	- 41 15	+ 9 13	1493
7482	8.2 G5	8 22.69	2.4591 210	57 20 38.9	19.168 113	+ 9 14	- 21 12	1424
7483	8.6 G5	8 26.94	+ 2.4995 - 203	55 31 3.0	- 19.166 + 115	+ 8 ± 14	- 34 ± 12	1584
7484	7.8 G0	8 30.44	2.4574 209	57 22 17.5	19.165 114	+ 111 14	- 9 12	1425
7485	8.5 M0	8 56.35	2.4507 208	57 29 31.8	19.154 115	+ 11 14	+ 14 12	1426
7486	9.2 F5	9 12.85	2.4470 207	57 32 36.0	19.147 114	+ 7 14	- 12 12	1427
7488	8.1 K0	9 22.33	2.5041 198	54 56 55.0	19.143 117	- 20 12	- 10 10	+ 1585
7490	8.0 K5	9 39.76	+ 2.4979 - 198	55 7 59.4	- 19.135 + 118	- 5 ± 14	- 88 ± 12	1586
7491	9.0 K0	9 42.71	2.4394 206	57 40 49.6	19.134 115	+ 102 14	- 47 12	1428
7493	8.4 G5	9 44.83	2.5044 196	54 47 43.6	19.133 118	- 27 14	- 36 12	1582
7494	8.0 A3	9 59.66	2.3771 210	59 57 23.8	19.126 112	- 65 15	+ 20 13	+ 1456
7496	9.0 G0	10 12.29	2.4751 199	55 58 34.6	19.121 117	+ 29 14	- 109 12	+ 1646

7403 = PGC 3382 = BDS 6348: 5.0, 8.6, 1".4.

Epochs: Stars 7401 to 7422, 1917.18; stars 7434 to 7496, 1917.26

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	in Decl	BD No
		m s	s	° ' "	"	"	"	
7498	7.2 K0	10 30.53	+ 2.4927 - 195	55 3 48.7	- 19.113 + 118	-.003 ± 14	-.007 ± 12	1587
7501	8.8 K7	10 52.48	2.4058 204	58 35 41.3	19.103 115	- 20 14	+ 18 12	1430
7502	8.2 G5	11 6.19	2.4253 201	57 45 3.9	19.097 116	- 12 14	+ 20 12	1432
7503	8.6 G5	11 11.63	2.4549 198	56 29 47.0	19.094 118	- 66 14	+ 92 12	1647
7504	8.4 F8	11 12.65	2.3955 204	58 51 53.3	19.094 115	- 67 14	+ 79 12	1431
7508	8.6 K	11 59.22	+ 2.3967 - 200	58 33 27.9	- 19.073 + 116	+ 31 ± 14	- 17 ± 12	1433
7509	8.8 G0	12 2.38	2.4122 199	57 56 23.4	19.071 117	- 119 14	+ 129 12	+ 1434
7510	8.6 F5	12 15.32	2.3710 201	59 24 33.7	19.066 115	- 14 15	- 36 13	1499
7512	7.2 K0	12 34.01	2.3934 198	58 28 53.0	19.057 117	0 15	- 31 13	1437
7513	8.6 F5	12 40.11	2.4289 194	57 3 32.7	19.055 119	+ 29 14	+ 10 12	1433
7515	7.7 G5	12 50.29	+ 2.3655 - 199	59 24 33.7	- 19.050 + 116	+ 4 ± 15	+ 1 ± 13	1500
7516	8.8 G	13 6.19	2.3670 197	59 16 13.5	19.043 116	+ 21 15	+ 24 13	1502
7519	9.2 K0	13 15.66	2.4724 186	54 59 30.2	19.038 121	- 33 13	- 22 11	+ 1590
7525	8.9 K2	14 43.21	2.4227 186	56 36 16.0	18.998 121	- 14 14	- 20 12	1650
7526	8.8 G0	14 59.82	2.4235 185	56 28 42.1	18.990 122	- 62 14	+ 14 12	1651
7528	8.8 K2	15 2.12	+ 2.4456 - 183	55 32 37.5	- 18.989 + 122	+ 12 ± 14	- 27 ± 12	1593
7531	9.0 G0	15 23.07	2.4209 184	56 27 10.4	18.979 122	+ 44 14	- 54 12	1654
7538	9.0 K2	15 55.08	2.3864 185	57 37 24.5	18.964 121	- 32 14	- 40 12	1434
7542	8.8 F5	16 53.07	2.4058 179	56 33 21.3	18.936 123	- 95 14	- 9 12	1655
7544	9.0 F5	17 8.28	2.3707 181	57 48 42.4	18.929 122	- 35 14	- 25 12	1435
7548	9.0 M0	18 31.35	+ 2.3376 - 177	58 33 34.8	- 18.889 + 122	+ 90 ± 14	- 20 ± 12	1441
7549	9.4 F0	18 35.05	2.3547 176	57 56 7.6	18.887 124	- 29 14	- 20 12	+ 1442
7550	8.7 K0	18 44.77	2.4102 172	55 46 12.4	18.882 127	- 31 14	- 5 12	1597
7552	9.0 F5	18 57.46	2.3352 175	58 30 18.5	18.876 123	- 14 14	- 17 12	1443
7554	8.9 K5	19 22.09	2.4163 169	55 19 26.9	18.864 128	- 12 12	- 5 12	1599
7555	8.4 G0	19 44.71	+ 2.4154 - 168	55 14 18.2	- 18.852 + 129	+ 2 ± 12	- 59 ± 10	1600
7556	9.2 G5	19 46.28	2.2942 172	59 37 27.3	18.852 122	- 24 15	+ 10 13	1508
7557	8.6 F8	19 51.58	2.3421 172	57 59 9.9	18.849 125	+ 20 14	- 19 12	+ 1444
7558	8.5 G0	19 51.76	2.4149 168	55 13 13.2	18.849 129	- 49 14	- 79 12	1601
7559	8.0 A5	19 52.67	2.4066 168	55 32 56.9	18.848 128	- 44 14	- 5 12	1602
7562*	5.0 A5	20 13.68	+ 2.4017 - 167	55 38 22.7	- 18.838 + 128	+ 154 ± 14	- 19 ± 12	1603
7564	9.4 G5	20 36.87	2.3057 170	58 59 43.7	18.826 124	- 11 15	+ 4 13	+ 1509
7567	8.2 G5	20 56.27	2.3429 168	57 37 14.4	18.816 126	- 223 14	+ 18 12	1438
7568	8.8 K0	21 24.13	2.2814 166	59 32 55.8	18.802 124	- 20 15	+ 13 13	1511
7571	9.4 F8	22 12.81	2.2982 164	58 46 7.0	18.778 126	+ 2 14	- 23 12	1447
7574	8.9 G0	22 20.86	+ 2.3799 - 162	55 49 24.6	- 18.773 + 130	- 48 ± 14	+ 19 ± 12	1608
7577	8.4 F5	22 37.21	2.3551 162	56 40 18.7	18.765 129	+ 1 14	- 29 12	1658
7578	8.5 K5	22 38.82	2.3014 162	58 32 11.1	18.764 126	+ 29 14	- 9 12	1448
7579	8.8 G0	23 11.88	2.3175 160	57 49 41.6	18.747 128	- 65 14	+ 24 12	1441
7580	7.8 F0	23 21.27	2.2851 160	58 51 26.1	18.742 126	- 36 15	- 4 13	1449
7581	9.3 G0	23 44.93	+ 2.2778 - 158	58 58 36.5	- 18.730 + 127	- 25 ± 15	- 14 ± 13	+ 1513
7584	8.9 F8	23 57.00	2.3062 158	57 59 21.6	18.724 128	- 65 15	+ 31 13	+ 1450
7585	9.1 G0	23 57.22	2.2527 157	59 42 9.6	18.724 126	- 30 15	- 7 13	1514
7588	7.5 G5	24 12.72	2.3361 157	56 52 46.6	18.716 130	- 15 14	+ 18 12	1661
7599	9.2 G5	26 17.50	2.3533 150	55 38 10.6	18.649 134	- 50 14	+ 19 12	1610
7600	8.5 K2	26 21.53	+ 2.2697 - 150	58 29 31.1	- 18.647 + 130	+ 20 ± 14	- 50 ± 12	1451
7601	9.2 G0	26 35.43	2.3529 149	55 33 46.6	18.639 135	- 186 14	+ 124 12	1611
7603	9.2 F8	26 44.24	2.3189 149	56 44 43.0	18.635 133	- 11 12	- 28 10	1662
7605	9.0 G5	26 49.24	2.2791 148	58 3 38.1	18.632 131	+ 10 14	- 22 12	1453
7606	7.6 F8	26 57.12	2.2283 146	59 35 47.0	18.628 128	- 90 15	+ 40 13	1517

7562 = PGC 3480.

Epochs: Stars 7498 to 7559, 1917.26; stars 7562 to 7606, 1917.30

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
7607	9.0 G0	27 3.27	+ 2.2924 - 148	57 33 22.9	- 18.625 + 132	-.067 ± 13	-.036 ± 11	1444
7608	8.9 K2	27 14.37	2.2944 147	57 26 19.5	18.619 132	- 26 13	- 9 11	1445
7611	8.8 K0	27 59.72	2.3184 145	56 24 9.7	18.594 135	- 35 14	- 39 12	1664
7612	8.8 K0	28 1.59	2.2970 145	57 7 44.4	18.593 134	+ 2 14	- 13 12	1446
7615	9.5 G5	28 20.11	2.2302 142	59 9 58.8	18.583 130	- 30 15	0 13	1518
7616	8.6 F2	28 34.58	+ 2.3297 - 143	55 50 13.9	- 18.575 + 136	- 10 ± 14	+ 6 ± 12	1615
7620*	5.6 A0p	29 18.76	2.3195 141	55 59 22.8	18.551 136	- 25 14	- 16 12	+ 1667
7621	8.2 K0	29 36.69	2.2520 139	58 9 7.1	18.541 133	- 19 14	- 19 12	1455
7622	8.8 K2	29 38.42	2.2741 139	57 26 21.7	18.540 134	- 10 14	+ 6 12	1447
7623	8.8 G5	29 40.64	2.3485 140	54 49 57.7	18.538 139	- 24 14	- 34 12	1610
7626	9.4 G0	30 19.31	+ 2.2817 - 138	56 59 53.4	- 18.517 + 135	- 38 ± 14	- 38 ± 12	+ 1448
7629	9.0 G5	30 43.84	2.3363 137	54 59 13.6	18.503 139	+ 6 14	- 24 12	+ 1619
7630	9.2 K2	30 43.68	2.3327 137	55 7 1.0	18.503 139	- 29 14	- 29 12	1618
7631	9.4 G5	30 53.10	2.3280 136	55 14 50.7	18.498 139	+ 20 14	- 3 12	1620
7636	9.1 K0	31 55.40	2.3274 133	54 58 42.9	18.463 140	- 4 13	- 4 10	+ 1621
7637	8.3 K0	32 14.15	+ 2.2654 - 132	57 1 2.1	- 18.452 + 137	- 6 ± 14	- 27 ± 12	1450
7640	8.6 G0	33 4.79	2.3204 130	54 54 34.2	18.423 141	- 118 14	- 29 12	+ 1623
7641	8.2 F5	33 15.56	2.2545 129	57 5 33.2	18.417 138	- 49 14	+ 1 12	1454
7643	8.6 K5	33 32.32	2.2944 129	55 41 58.7	18.407 141	+ 6 14	- 16 12	1624
7644	9.6 F8	33 35.72	2.2864 128	55 57 20.7	18.405 141	- 13 17	- 35 14	+ 1670
7646	9.0 K0	34 13.45	+ 2.1609 - 120	59 36 59.7	- 18.383 + 134	- 7 ± 15	- 9 ± 13	1522
7647	8.6 K2	34 14.04	2.2711 126	56 17 43.2	18.383 140	+ 8 12	- 41 12	1671
7648	8.5 K0	34 27.92	2.1926 122	58 39 45.0	18.375 136	- 4 15	- 34 13	1459
7651	8.5 K5	35 11.60	2.1438 115	59 50 23.7	18.349 134	- 7 15	+ 4 13	1525
7652	9.4 K0	35 16.42	2.2030 120	58 9 13.6	18.346 138	- 16 15	- 36 13	1460
7657	6.3 A2	35 46.82	+ 2.2092 - 119	57 50 24.8	- 18.328 + 138	- 55 ± 14	+ 36 ± 12	1456
7659	9.0 K2	35 57.71	2.2560 121	56 20 21.9	18.322 141	- 6 14	0 12	1673
7660*	4.9 Ma	35 59.69	2.2865 122	55 18 53.0	18.321 143	- 19 12	- 28 10	1625
7661	9.4 F5	36 14.37	2.1546 114	59 17 26.8	18.312 136	- 32 15	+ 27 13	1526
7665	8.8 K0	36 35.90	2.2394 119	56 42 17.7	18.299 141	+ 49 14	- 30 12	1674
7666	8.0 K0	36 37.32	+ 2.2182 - 118	57 21 27.8	- 18.298 + 140	+ 6 ± 14	+ 37 ± 12	1459
7667	8.0 G5	36 46.57	2.1345 110	59 41 51.7	18.292 135	- 206 15	+ 84 13	1527
7668	8.8 K0	37 2.28	2.2369 118	56 40 1.1	18.283 142	- 211 14	- 65 12	1675
7671	8.8 K2	37 26.50	2.1722 112	58 30 17.9	18.269 138	- 33 15	+ 4 13	1462
7672	9.2 G0	37 44.86	2.1206 106	59 49 55.0	18.257 136	- 95 15	+ 7 13	1528
7673	7.2 K0	37 52.13	+ 2.2401 - 116	56 21 29.0	- 18.253 + 143	- 46 ± 14	+ 10 ± 12	1677
7674	8.8 G5	38 7.51	2.1306 106	59 28 47.6	18.244 137	- 37 15	- 7 13	1530
7677	9.1 G5	38 46.84	2.2358 113	56 15 58.9	18.220 144	+ 10 12	+ 9 10	1679
7678	9.4 F2	39 18.61	2.1563 106	58 29 45.0	18.201 140	- 47 14	+ 16 12	1463
7681	8.0 K2	39 23.22	2.2661 113	55 7 47.0	18.198 147	- 19 14	+ 7 12	1630
7682	6.9 K2	39 28.16	+ 2.2304 - 111	56 15 48.4	- 18.195 + 144	- 3 ± 14	- 4 ± 12	1682
7684	9.2 G0	39 37.49	2.1522 105	58 32 3.1	18.189 140	- 3 14	- 2 12	1464
7685	7.6 K0	39 51.18	2.0955 98	59 59 10.8	18.181 137	- 22 15	- 9 13	+ 1486
7690	8.8 F8	40 32.22	2.1451 102	58 30 45.1	18.155 141	- 8 14	- 36 12	1466
7691	7.2 F5	40 36.45	2.2132 108	56 30 53.0	18.153 145	+ 82 14	- 356 12	1683
7692	9.4 G	40 35.93	+ 2.1405 - 101	58 37 23.9	- 18.153 + 141	- 14 ± 17	- 34 ± 15	——
7695	8.9 K5	40 55.70	2.1259 99	58 56 28.6	18.141 140	- 3 15	- 16 13	+ 1531
7697	8.5 K0	41 11.18	2.1360 100	58 36 23.6	18.131 141	- 70 14	- 19 12	1467
7698	9.2 K0	41 21.57	2.2548 108	55 0 30.1	18.125 148	- 27 14	- 16 12	1633
7700	9.3 G5	41 55.41	2.2169 105	56 4 44.3	18.103 147	- 44 12	- 32 10	1686

7620 = PGC 3509. 7660 = PGC 3536.

Epochs: Stars 7607 to 7685, 1917.30; stars 7690 to 7700, 1917.27

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
7701*	7.0 A0p	41 55.59	+2.2490 - 106	55 3 28.6	- 18.103 +149	-.042 ± 14	-.028 ± 12	1634
7703	9.0 G0	42 9.32	2.2165 104	56 2 20.7	18.095 147	+ 3 14	- 5 12	1689
7709	9.0 K0	42 58.26	2.1472 97	57 52 51.1	18.064 143	+ 2 15	- 32 13	1464
7717	9.2 G5	44 38.39	2.0960 87	58 52 33.3	18.000 142	- 37 14	0 12	1469
7721	8.0 K0	44 58.19	2.2288 98	54 58 26.9	17.987 151	+ 21 14	+ 22 12	+ 1636
7722	7.9 Ma	45 26.20	+2.2088 - 96	55 29 24.6	- 17.969 +150	- 20 ± 14	- 14 ± 12	1637
7727*	6.2 A0	46 9.72	2.0717 81	59 9 32.3	17.941 143	- 60 15	+ 4 13	1533
7728	8.9 K0	46 32.72	2.1737 91	56 17 37.2	17.926 150	0 14	+ 25 12	1690
7729	9.2 F2	46 38.52	2.0439 76	59 44 38.0	17.922 141	+ 43 15	- 56 13	1534
7730	8.6 K0	47 1.35	2.1301 86	57 25 37.4	17.907 147	- 104 14	+ 57 12	1467
7733	9.2 K2	47 28.13	+2.2043 - 91	55 9 25.7	- 17.890 +153	- 5 ± 13	- 39 ± 11	1638
7734	8.8 G5	47 37.19	2.0407 73	59 36 27.9	17.883 143	- 113 15	+ 61 13	1535
7735	9.0 K0	47 39.59	2.1870 90	55 38 32.9	17.882 152	+ 27 14	- 15 12	1640
7736	9.2 G5	47 44.04	2.0689 77	58 53 5.0	17.879 144	- 57 12	- 7 11	1471
7740	9.0 K7	48 50.03	2.0715 75	58 34 51.2	17.835 147	- 28 14	+ 1 12	1473
7741	9.0 K2	48 57.19	+2.1715 - 86	55 48 36.6	- 17.830 +153	- 29 ± 14	+ 20 ± 12	1643
7742	8.6 K0	48 57.55	2.0725 75	58 31 46.5	17.830 146	- 2 14	- 37 12	1474
7743	8.4 F5	49 18.49	2.0295 68	59 31 2.7	17.816 143	- 42 13	- 12 11	1539
7756	9.0 A5	51 27.61	2.0584 69	58 21 12.3	17.729 148	+ 7 14	- 14 12	1476
7757	9.2 G0	51 59.02	2.0199 62	59 11 25.0	17.707 146	- 41 15	+ 21 13	1542
7759	8.4 K0	52 14.79	+2.0210 - 62	59 6 33.7	- 17.697 +146	+ 16 ± 14	- 18 ± 12	1543
7761	7.2 K5	52 29.66	2.1656 78	55 11 48.0	17.687 155	+ 11 13	- 14 11	1646
7763	9.4 F2	52 32.59	2.0227 61	59 0 20.0	17.684 147	- 22 15	- 10 13	1544
7765	8.2 K5	52 44.29	1.9739 53	60 6 10.6	17.676 144	- 51 13	- 24 11	1497
7767	9.4 G0	53 6.37	2.1508 76	55 29 47.8	17.661 156	- 28 13	- 65 11	1647
7771	9.1 F5	53 24.18	+2.0572 - 65	57 58 29.3	- 17.649 +150	- 28 ± 14	+ 20 ± 12	+ 1478
7772*	9.0 A7	53 33.01	2.0526 64	58 3 34.6	17.643 150	- 9 14	- 40 12	1479
7774	9.5 G5	53 49.01	2.0394 62	58 20 10.9	17.632 149	+ 2 13	- 9 11	1480
7776	9.1 K2	54 16.01	2.1348 72	55 42 26.6	17.613 157	+ 41 14	- 26 12	1648
7778	9.0 F5	54 54.11	2.0883 66	56 51 8.6	17.586 154	- 89 12	+ 15 10	1699
7779	8.3 K0	55 0.82	+2.0783 - 65	57 5 36.0	- 17.581 +154	- 75 ± 14	- 33 ± 12	1473
7781	8.6 F8	55 10.80	1.9709 48	59 41 5.3	17.574 146	- 15 14	+ 2 12	1547
7782	8.5 F8	55 14.19	2.1016 67	56 25 28.7	17.572 155	+ 19 14	- 11 12	1700
7784	9.3 K0	55 26.41	1.9749 48	59 32 24.8	17.563 147	- 100 13	- 15 11	1548
7785	9.2	55 31.03	1.9489 43	60 6 36.3	17.560 145	- 32 15	- 10 13	1501
7789	9.2 G0	56 10.27	+1.9781 48	59 19 28.7	- 17.533 +148	- 30 ± 14	+ 35 ± 12	1549
7790	9.3 G5	56 15.58	2.0382 57	57 52 1.2	17.529 152	- 7 14	- 65 12	1475
7791	8.4 F5	56 38.88	2.1053 65	56 1 45.0	17.512 157	- 35 13	+ 4 11	1702
7793	8.6 F8	56 57.52	2.1407 68	54 58 9.1	17.499 160	+ 6 14	- 28 12	+ 1649
7795	9.1 G0	57 9.93	2.0884 62	56 22 52.1	17.490 156	+ 5 14	- 3 12	1703
7796	7.7 F8	57 16.24	+1.9314 - 37	60 9 7.3	- 17.485 +145	- 54 ± 13	- 2 ± 10	1505
7798	8.3 K0	57 39.48	2.0644 59	56 54 58.8	17.469 155	- 16 14	+ 2 12	+ 1477
7799	9.1 F8	57 40.32	1.9587 42	59 28 19.8	17.469 148	+ 47 15	- 45 13	1550
7800	9.0 K2	57 47.45	1.9713 44	59 9 36.7	17.463 149	- 64 14	+ 5 12	1551
7801*	7.8 F5	57 47.71	2.0273 53	57 49 39.7	17.463 153	- 12 14	- 27 12	1478
7803	8.8 K5	57 55.66	+2.0787 - 60	56 29 5.0	- 17.457 +157	- 87 ± 14	- 14 ± 12	1704
7805	7.2 G5	58 25.74	2.1195 63	55 16 4.4	17.436 160	- 15 14	- 23 12	1650
7806	8.6 K0	58 28.91	1.9891 46	58 36 44.7	17.433 151	- 72 14	+ 21 12	1482
7811	9.2 K0	59 16.25	2.0471 53	57 2 8.3	17.399 156	- 37 17	- 37 14	——
7812	8.8 G5	59 19.78	2.0994 60	55 38 21.8	17.396 160	- 82 14	+ 43 12	1653

7701 = PGC 3561. 7727 = PGC 3582. 7772 = BDS 6694:9.2,11.2,11"; separated on plates.
7801 = BDS 13257:8.3,8.8,0".3. Epoch of observation, 1917.27

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AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
			m s	s	° ' "	"	"	"	
7814	9.1	K5	59 26.09	+1.9313 - 34	59 44 29.2	- 17.392 + 148	-.011 ± 13	-.007 ± 11	1552
7815	8.5	K2	59 29.41	1.9340 35	59 40 15.9	17.390 148	+ 3 14	- 37 12	1553
7816	8.6	F8	59 30.60	2.0456 53	57 1 37.0	17.389 156	- 58 14	+ 19 12	1483
7822	8.0	K2	0 9.22	1.9312 33	59 36 22.7	17.360 148	- 73 15	- 3 13	1554
7824	8.9	G	0 12.45	1.9748 41	58 36 52.1	17.358 151	- 12 12	+ 19 10	1485
7828	8.9	K7	0 25.50	+1.9187 - 30	59 49 44.2	- 17.349 + 148	+ 23 ± 15	- 33 ± 13	1555
7829	9.2	A5	0 42.41	1.9205 30	59 44 13.9	17.337 148	+ 44 15	- 24 13	1556
7830	9.0	K5	0 42.64	1.9102 28	59 57 19.7	17.336 147	- 15 15	- 70 13	+ 1507
7832	7.2	G5	0 52.39	1.9314 32	59 27 55.3	17.328 149	- 173 15	- 7 13	1557
7834	7.4	K0	1 4.83	2.0298 48	57 7 6.0	17.320 157	- 5 14	+ 63 12	1487
7837	9.0	K7	1 34.92	+1.9215 - 29	59 33 0.0	- 17.298 + 149	- 52 ± 15	- 5 ± 13	1558
7838	9.2	K2	1 47.45	2.0196 46	57 14 1.1	17.289 156	+ 2 13	- 56 11	1488
7839	8.2	F2	1 58.84	2.0654 51	56 1 35.5	17.280 160	- 65 13	+ 20 12	1708
7840	9.2	G5	2 39.35	2.0285 46	56 50 39.0	17.250 158	- 34 14	+ 2 12	1709
7844	8.4	F8	3 13.06	2.0051 41	57 18 57.1	17.225 157	- 35 14	- 14 12	1490
7845	9.2	F5	3 20.59	+1.9189 - 26	59 16 56.7	- 17.219 + 151	- 4 ± 14	- 1 ± 12	1559
7849	9.2	A5	3 54.74	2.0910 51	54 57 32.8	17.194 164	+ 2 14	- 32 12	+ 1661
7851*	6.1	K0	4 53.17	1.8752 16	59 55 49.1	17.149 149	- 138 14	- 17 12	+ 1516
7852	9.0	F8	5 5.17	1.9624 32	57 58 52.1	17.140 156	- 52 14	+ 24 12	+ 1487
7853	8.7	F5	5 18.41	2.0149 40	56 40 41.3	17.131 160	- 42 14	- 7 12	1712
7855	8.7	G0	5 31.60	+1.8787 - 16	59 44 46.7	- 17.121 + 150	+ 58 ± 14	+ 1 ± 12	1560
7857	9.2	G5	5 56.75	2.0028 37	56 51 18.4	17.101 160	- 79 14	- 37 12	1713
7858	8.6	F5	6 16.86	1.9791 33	57 21 59.3	17.086 159	- 19 13	- 33 11	1492
7859	8.8	K0	6 32.76	2.0006 36	56 47 59.6	17.074 161	- 1 14	- 7 12	1714
7864	7.4	G5	7 0.67	2.0674 44	54 59 54.5	17.052 166	- 131 14	- 53 12	+ 1664
7865	7.1	K2	7 4.54	+1.8943 - 17	59 8 19.6	- 17.050 + 153	+ 11 ± 14	- 49 ± 12	1562
7869	8.8	F8	7 50.46	2.0681 43	54 49 32.7	17.014 166	+ 7 13	- 58 11	1653
7871	8.6	K5	7 58.48	2.0427 40	55 28 12.7	17.008 165	0 14	- 26 12	1665
7874	9.1	F8	8 47.79	2.0104 34	56 8 30.3	16.970 164	- 37 14	- 1 12	1717
7878	8.5	K0	9 28.09	2.0127 34	55 57 17.8	16.937 165	- 273 13	- 57 11	+ 1719
7880	7.9	K0	9 40.99	+1.9726 - 27	56 54 8.8	- 16.928 + 161	- 16 ± 14	- 4 ± 12	1720
7881	8.0	K0	9 46.52	1.8747 10	59 4 52.0	16.924 154	+ 15 12	- 15 10	1564
7882	8.2	Mb	9 46.87	1.8926 13	58 41 56.9	16.924 155	- 22 14	- 23 12	1489
7884	7.4	F5	9 50.74	2.0390 36	55 13 16.4	16.921 167	- 1 14	- 2 12	1667
7890	9.1	G5	10 22.67	1.8336 1	59 49 23.0	16.896 151	- 54 12	+ 15 10	1566
7891	9.0		10 23.42	+1.8334 0	59 49 32.5	- 16.895 + 151	- 55 ± 14	+ 6 ± 12	
7892	9.0	F8	10 34.23	1.9752 - 27	56 40 48.0	16.887 163	- 16 14	- 2 12	1722
7897	9.0	K0	11 45.69	1.8463 2	59 19 54.3	16.830 154	- 2 14	+ 6 12	1569
7898	6.0	F8	11 57.63	1.9395 19	57 16 18.4	16.821 161	+ 13 14	- 116 12	1498
7901	6.6	K0	12 21.13	1.9951 27	55 52 43.9	16.802 166	+ 27 14	- 34 12	1669
7902	8.2	F5	12 25.45	+1.8584 - 4	58 58 9.3	- 16.799 + 155	+ 15 ± 14	- 21 ± 12	+ 1570
7903	9.0	F8	12 31.12	2.0290 32	54 59 31.2	16.794 169	- 27 14	+ 62 12	+ 1670
7904	7.7	G0	12 33.86	1.8720 6	58 39 35.4	16.791 156	- 138 14	+ 105 12	1491
7905	9.1	G0	12 43.99	2.0244 31	55 4 17.0	16.784 169	- 22 14	+ 5 12	1671
7906	7.0	G5	12 53.00	2.0213 30	55 7 22.1	16.776 169	- 155 14	- 69 12	1672
7907	8.6	K0	12 59.56	+1.9718 - 23	56 19 53.5	- 16.771 + 165	- 30 ± 14	- 19 ± 12	1724
7909	9.4	F8	13 13.47	1.8213 + 5	59 35 33.8	16.760 153	- 7 15	- 4 13	1571
7910	9.1	G5	13 23.42	1.9918 - 26	55 46 31.2	16.753 167	+ 31 14	- 34 12	1675
7911	8.9	F8	13 36.72	1.8152 + 7	59 38 58.5	16.742 153	- 25 15	+ 13 13	1572
7912	6.9	A2	13 40.47	1.9805 - 24	56 0 10.9	16.739 167	+ 20 14	- 18 12	1725

7851 = PGC 3634. Epochs: Stars 7814 to 7816, 1917.27; stars 7822 to 7912, 1917.30

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
7913	9.0 G5	13 48.19	+1.9886 -24	55 46 50.5	-16.732 +167	-.072 ±14	-.017 ±12	1676
7915	9.0 G0	14 1.86	1.8124 + 8	59 38 12.3	16.721 153	- 72 15	+ 38 13	1573
7917	6.5 A3	14 46.91	1.9955 -24	55 26 21.7	16.685 169	- 7 14	- 14 12	1678
7921	8.4 F5	15 0.61	1.8075 +10	59 34 21.6	16.674 154	- 58 14	+ 24 12	1574
7922	9.1	15 5.60	1.7772 +17	60 8 47.1	16.669 151	-117 15	+ 5 13	1532
7924	8.6 G5	15 26.11	+1.7885 +14	59 52 32.0	-16.653 +153	- 42 ±14	+ 71 ±12	1575
7925	9.0 G5	15 27.86	1.8821 - 5	57 57 12.6	16.652 160	+ 13 14	+ 11 12	+1493
7927	8.8 G5	15 34.78	1.8800 - 4	57 58 46.3	16.646 160	- 43 14	+ 64 12	+1494
7929	9.0 G5	16 8.51	2.0003 -23	55 4 48.8	16.619 171	- 1 14	-100 12	1679
7930	9.0 G0	16 15.99	1.9083 9	57 14 34.9	16.613 163	- 9 14	- 1 12	1503
7931	8.8 G0	16 24.31	+1.9918 -22	55 14 55.0	-16.606 +170	- 47 ±14	+ 27 ±12	1680
7933	8.4 K0	16 40.68	1.8940 - 6	57 29 27.1	16.592 162	- 39 12	- 51 10	1504
7934	7.6 G5	16 48.04	1.8810 - 4	57 45 17.0	16.586 161	- 28 14	- 67 12	1505
7937	9.1 K2	17 6.54	1.8174 + 9	59 2 2.1	16.571 156	- 38 14	- 20 12	1577
7943	9.2 G5	18 9.56	1.9215 - 9	56 37 34.1	16.519 166	- 43 12	+ 2 10	1728
7944	8.5 K0	18 10.78	+1.8503 + 4	58 11 2.6	-16.518 +160	- 35 ±14	+ 28 ±12	1496
7945	8.2 G5	18 27.99	1.8820 - 2	57 27 24.5	16.504 163	- 29 14	+ 1 12	1506
7946	7.8 G0	18 31.08	1.9271 -10	56 26 8.1	16.500 167	-249 14	+165 12	1729
7949	9.0 K7	18 42.16	1.8433 + 6	58 14 41.2	16.492 160	+ 4 14	- 21 12	1497
7951	9.1 F5	18 57.71	1.7709 +21	59 39 7.7	16.479 154	- 37 14	+ 9 12	1580
7957	8.5 F2	19 48.39	+1.9304 - 9	56 8 45.4	-16.437 +168	- 56 ±12	+ 19 ±10	1731
7961	9.0 F2	20 20.44	1.9018 - 3	56 42 44.4	16.410 166	- 64 14	- 20 12	1732
7964	8.6 G5	20 47.47	1.8670 + 3	57 24 22.2	16.388 164	+ 74 14	- 25 12	1509
7965	8.6 A0	21 9.17	1.8153 +14	58 25 53.8	16.370 160	+ 30 14	+ 7 12	1500
7966	9.0 G0	21 23.17	1.8249 +12	58 11 50.8	16.357 161	- 42 14	- 2 12	1501
7973	9.1	22 28.12	+1.7285 +34	59 54 36.1	-16.302 +154	- 42 ±15	- 22 ±13	+1537
7974	9.3	22 30.39	1.7230 +35	60 0 22.8	16.301 154	- 44 18	- 48 15	1538
7975	8.0 A0	22 55.80	1.8882 + 1	56 35 50.2	16.279 168	- 43 14	+ 21 12	1737
7976	9.0 G5	23 8.14	1.7617 +27	59 10 51.4	16.268 157	-100 14	- 46 12	1582
7978	8.5 G5	23 54.23	1.8396 +11	57 29 45.2	16.229 165	+ 7 14	- 7 12	1510
7979	7.1 A2	24 1.33	+1.7697 +25	58 53 37.7	-16.223 +159	+ 21 ±14	+ 25 ±12	1503
7981	8.8 G5	24 11.69	1.8290 +13	57 40 24.6	16.214 164	- 25 14	+ 1 12	1511
7983	9.0 A3	24 12.61	1.9087 - 1	55 55 49.6	16.213 170	- 35 14	- 15 12	+1740
7984	8.5 K0	24 13.51	1.9354 - 5	55 18 31.8	16.212 173	- 82 13	+ 14 11	1685
7986	8.8 K0	24 43.38	1.9423 - 5	55 3 56.1	16.187 174	- 51 14	+ 5 12	1686
7987	9.5 A7	24 50.15	+1.9245 - 3	55 28 4.5	-16.181 +173	+ 19 ±14	- 18 ±12	1687
7992	8.9 G0	25 11.15	1.7590 +29	58 55 24.7	16.163 158	- 44 11	- 46 10	+1584
7994	8.6 F2	25 25.76	1.8174 +17	57 43 24.4	16.150 164	- 52 14	+ 16 12	1512
8000	8.4 A2	26 7.53	1.8621 + 9	56 40 11.1	16.114 168	- 2 14	- 3 12	1742
8001	8.8 G0	26 13.89	1.8369 +14	57 11 33.0	16.108 166	- 60 14	- 54 12	1513
8003	9.5 F2	26 58.88	+1.7669 +28	58 30 8.6	-16.069 +161	- 29 ±14	- 12 ±12	1506
8004	8.8 G5	27 1.03	1.8494 12	56 48 13.6	16.067 169	-123 14	+ 1 12	1744
8005	9.0 G5	27 8.55	1.8364 14	57 3 47.2	16.061 168	- 11 14	- 32 12	1514
8007	7.9 K2	27 24.20	1.7287 37	59 10 20.4	16.047 158	- 3 15	+ 11 13	1589
8009	8.3 G5	27 27.31	1.7602 30	58 33 45.5	16.045 161	- 34 14	+120 12	1508
8010	8.6 G5	27 29.97	+1.8974 + 4	55 40 14.3	-16.042 +173	- 31 ±14	- 21 ±12	1690
8012	9.0 G5	27 39.18	1.8257 17	57 12 44.7	16.034 167	- 11 12	+ 30 10	1515
8018	9.5 F0	28 3.02	1.7303 37	59 2 46.2	16.013 159	- 10 15	- 36 13	1590
8019*	8.9 G5	28 17.32	1.7563 31	58 30 53.8	16.001 161	- 30 14	- 11 12	1510
8021	8.9 G5	28 26.29	1.9030 4	55 24 3.9	15.993 174	+ 7 14	+ 68 12	1691

8019 = BDS 13276: 9.0, 11.2, 2".

Epochs: Stars 7913 to 7957, 1917.30; stars 7961 to 8021, 1917.33

14h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ' "	"		"		"		
8023	5.4	K5	28 36.20	+1.8775	+ 8	55 56 57.7	-15.984	+172	+.016	±14	-.018	±12	+1746
8024	8.6	F8	28 42.23	1.9054	4	55 18 9.2	15.979	175	+ 1	14	- 11	12	1692
8029	7.9	K5	29 11.96	1.7253	39	58 58 24.7	15.953	159	- 16	14	+ 12	12	+1591
8030	9.0	G5	29 12.55	1.8703	10	56 0 45.3	15.952	172	-119	14	-138	12	1748
8037	9.3	F8	30 25.47	1.7433	35	58 27 16.9	15.888	162	+ 23	13	- 4	11	1511
8038	6.7	F5	30 30.48	+1.7852	+ 27	57 37 6.3	-15.884	+166	+200	±14	-237	±12	1519
8040	8.0	K0	30 44.28	1.8560	14	56 5 58.7	15.870	172	- 82	14	+ 50	12	1749
8041	9.2	G5	30 57.45	1.9040	6	54 59 18.7	15.859	177	-104	14	+ 16	12	+1696
8042	8.6	F8	31 3.19	1.7369	37	58 29 11.1	15.854	162	+ 40	14	+ 7	12	1512
8050	7.4	F8	32 43.94	1.7443	37	58 6 9.9	15.763	164	- 70	14	+ 76	12	1514
8051	7.8	G0	32 52.61	+1.7870	+ 28	57 14 9.8	-15.756	+168	+ 53	±16	- 90	±12	1521
8053	7.0	K0	33 0.43	1.8724	13	55 23 52.3	15.748	176	- 39	14	- 8	12	1699
8055	8.8	K0	33 44.99	1.8246	22	56 19 50.3	15.708	172	+ 29	11	- 5	9	1752
8058	8.9	G5	34 7.90	1.8582	16	55 32 56.0	15.687	176	- 29	14	+ 30	12	1701
8059	9.2	F0	34 14.09	1.7056	46	58 37 34.7	15.682	162	+ 24	14	+ 11	12	1515
8060	7.3	F2	34 45.40	+1.8611	+ 16	55 23 34.3	-15.653	+176	- 48	±14	- 13	±12	1702
8062	9.2	G5	35 15.37	1.7633	34	57 22 23.0	15.626	168	+ 66	13	-107	11	1524
8068	8.2	K0	35 50.11	1.8146	25	56 14 26.6	15.594	73	+ 27	14	- 44	12	1754
8071	7.2	F8	36 37.78	1.7080	47	58 14 56.9	15.550	164	- 92	14	+ 3	12	1520
8074	8.2	G5	36 40.99	1.6549	59	59 12 46.0	15.546	159	-178	14	+115	12	1595
8076	8.6	F5	37 4.14	+1.6699	+ 55	58 53 29.3	-15.526	+161	- 22	±14	- 10	±12	1521
8077	8.8	G0	37 11.35	1.6779	54	58 43 48.1	15.519	161	- 44	14	- 75	12	1522
8083	9.3	F5	38 14.98	1.6316	65	59 24 53.8	15.461	158	+ 19	14	- 3	12	1596
8085	7.8	Mb	38 33.17	1.8389	23	55 20 9.1	15.444	178	- 3	14	- 22	12	1704
8086	8.8	F8	38 39.29	1.7554	38	57 3 20.6	15.438	170	+ 70	16	- 77	12	1529
8087	8.6	F0	38 42.42	+1.6299	+ 65	59 22 56.0	-15.435	+158	- 31	±14	- 12	±12	1599
8091	8.2	K5	39 29.81	1.8354	24	55 16 40.8	15.390	179	- 51	14	+ 16	12	1706
8094	8.8	A2	39 42.42	1.6113	70	59 34 21.4	15.379	157	+ 16	14	+ 10	12	1602
8095	9.1	A3	39 59.61	1.6346	65	59 7 52.6	15.363	160	+ 9	14	- 39	12	1603
8096	8.8	Mb	40 21.36	1.7647	37	56 38 8.6	15.342	172	- 34	14	+ 12	12	1756
8099	8.6	G5	40 24.64	+1.8490	+ 22	54 51 11.9	-15.339	+181	- 17	±14	+ 18	±12	1701
8100	9.4	G0	40 33.65	1.6585	59	58 37 50.6	15.331	162	- 28	14	- 18	12	1525
8104	8.4	K2	41 5.40	1.7909	42	56 0 1.1	15.301	175	- 8	14	- 3	12	1757
8107	9.0	F8	41 30.24	1.6680	58	58 20 8.3	15.277	164	- 28	14	+ 1	12	1526
8108	8.7	K2	41 30.92	1.8060	30	55 37 41.0	15.277	177	- 49	14	+ 9	12	1707
8110	8.4	F5	41 43.49	+1.8118	+ 29	55 28 35.2	-15.265	+178	- 86	±14	+ 61	±12	1708
8114	8.6	K5	42 46.26	1.8253	28	55 2 38.4	15.206	180	+ 7	14	- 27	12	1709
8115	6.6	K0	42 47.99	1.7225	47	57 8 25.9	15.204	170	- 18	13	+ 8	11	1533
8116	8.4	K2	43 11.91	1.8128	30	55 15 7.1	15.181	179	- 27	14	- 38	12	1710
8117	8.8	G0	44 23.64	1.6732	57	57 51 49.9	15.112	167	- 30	16	+ 33	12	1534
8123	9.2	F5	44 10.22	+1.6484	+ 63	58 20 35.7	-15.125	+164	- 25	±14	+ 16	±12	1528
8128	7.8	F5	44 57.06	1.6298	67	58 34 37.6	15.080	163	+ 6	14	+ 18	12	1529
8130	9.1	G0	45 20.28	1.6305	67	58 30 56.3	15.058	163	+ 26	14	- 24	12	1530
8133	8.0	F8	45 35.35	1.6889	55	57 24 56.6	15.043	169	- 24	14	- 63	12	1536
8135	9.0	G0	45 52.04	1.6893	54	57 22 27.0	15.027	169	- 76	14	+ 6	12	1537
8136	9.5	F2	45 55.42	+1.6027	+ 74	58 55 38.1	-15.024	+161	+ 5	±12	+ 15	±10	+1610
8137	8.8	G5	46 8.23	1.7960	34	55 12 57.0	15.012	180	+ 10	14	- 61	12	1712
8138	9.0	F5	46 27.18	1.7476	43	56 10 0.5	14.994	176	+ 30	14	-124	12	1765
8139	8.5	K0	46 28.56	1.5741	81	59 20 42.1	14.992	159	- 62	14	+ 84	12	1611
8140	8.2	K2	46 35.73	1.6263	68	58 25 51.2	14.985	164	- 17	13	- 3	11	1531

Epochs: Stars 8023 to 8095, 1917.33; stars 8096 to 8140, 1917.34

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8146	8.5 F8	47 6.80	+ 1.6118 + 72	58 37 15.6	- 14.955 + 166	-.032 ± 14	+.033 ± 12	1532
8148	8.2 K5	47 8.40	1.7767 38	55 29 12.0	14.953 179	- 39 14	+ 20 12	1713
8149	8.0 K5	47 22.35	1.6491 64	57 55 30.5	14.940 167	- 32 14	+ 18 12	+ 1533
8151	9.3 K2	47 58.47	1.5889 77	58 54 33.1	14.905 162	- 8 14	- 50 12	+ 1612
8154*	5.8 K2	48 15.48	1.5330 91	59 48 15.4	14.887 156			1615
8156	7.2 A5	48 55.08	+ 1.7271 + 48	56 15 24.2	- 14.849 + 176	+ 6 ± 14	- 9 ± 12	1767
8161	9.4 G0	49 17.64	1.7866 38	55 0 3.0	14.827 182	- 25 14	- 10 12	1715
8162	9.2 G5	49 22.16	1.7852 38	55 1 17.2	14.823 182	+ 16 14	- 22 12	1716
8164	8.8 F2	49 36.97	1.5920 77	58 39 21.5	14.808 163	+ 5 14	+ 15 12	1535
8169	8.1 F0	50 2.52	1.7569 43	55 31 6.5	14.783 179	- 32 14	+ 36 12	1718
8170	8.4 K0	50 9.48	+ 1.5852 + 78	58 42 26.9	- 14.776 + 163	+ 18 ± 14	+ 16 ± 12	1537
8172	9.0 F8	50 41.97	1.6401 66	57 40 30.3	14.744 169	- 33 14	- 3 12	1541
8173	8.7 K0	50 46.79	1.7516 44	55 31 49.8	14.739 179	- 41 14	+ 1 12	1720
8175	7.2 K2	50 58.66	1.4991 100	60 1 21.4	14.728 155	- 27 15	- 22 13	1572
8177	8.6 G5	51 36.43	1.7505 45	55 26 58.1	14.690 180	+ 21 14	- 13 12	1721
8180	9.0 G0	52 5.70	+ 1.6405 + 67	57 29 53.3	- 14.661 + 170	- 42 ± 14	+ 20 ± 12	1542
8181	9.0 K0	53 4.15	1.7308 49	55 39 47.1	14.603 180	0 12	- 5 10	——
8182	9.0 K5	53 13.44	1.7378 48	55 30 16.1	14.594 180	+ 10 12	- 39 10	1723
8183	8.5 K5	53 19.54	1.6295 69	57 32 50.1	14.587 169	+ 20 14	- 14 11	1544
8185	8.7 K0	53 28.35	1.7323 49	55 34 59.5	14.579 180	+ 10 12	- 52 10	1725
8187	7.2 F2	54 1.61	+ 1.5906 + 78	58 9 4.1	- 14.545 + 166	- 48 ± 14	- 16 ± 12	1539
8188	9.0 F8	54 7.77	1.5380 90	59 1 39.9	14.539 161	+ 13 14	- 71 12	1621
8190	9.2 G0	54 21.22	1.5359 91	59 2 9.2	14.525 161	- 31 14	- 42 12	1622
8191	9.0 G5	54 28.54	1.6376 68	57 15 50.5	14.518 171	- 22 13	- 6 11	——
8192	9.0 G0	54 33.74	1.6379 68	57 14 51.4	14.513 171	- 15 13	- 80 11	1545
8193	9.1 F5	55 15.51	+ 1.6332 + 69	57 15 3.1	- 14.471 + 171	+ 4 ± 14	- 34 ± 12	1546
8194	8.8 G0	55 31.08	1.7580 46	54 48 42.9	14.455 184	+ 1 14	- 39 12	1723
8197	8.6 F8	55 51.87	1.6911 57	56 5 52.6	14.434 178	+ 7 13	- 58 11	1774
8199	8.4 K5	55 56.90	1.7215 52	55 29 42.6	14.429 181			1727
8200	9.1 G5	56 10.64	1.6898 58	56 5 6.3	14.415 178	+ 11 14	- 10 12	1776
8202	8.5 M0	56 19.97	+ 1.5367 + 90	58 47 45.0	- 14.405 + 162	- 43 ± 14	+ 27 ± 12	1541
8204	7.0 F0	56 52.53	1.6841 59	56 6 45.9	14.373 178	+ 66 14	+ 28 12	1777
8207	8.7 K7	57 14.20	1.5748 82	58 2 56.8	14.351 167	+ 29 16	- 20 12	1542
8208	8.4 K5	57 39.57	1.5604 85	58 14 49.7	14.325 166	- 14 16	- 7 12	1544
8210	8.5 K0	58 9.29	1.6968 57	55 42 56.0	14.294 180	+ 8 13	- 35 10	1728
8211	9.0	58 24.26	+ 1.4420 + 114	60 3 51.8	- 14.279 + 154	- 14 ± 14	- 37 ± 12	1581
8213	9.2 G0	59 29.04	1.6278 71	56 51 24.6	14.212 174	+ 14 14	+ 88 12	1779
8216	9.3 F5	59 50.52	1.5162 95	58 44 12.5	14.191 163	+ 33 13	- 54 11	1546
8217	6.2 K2	59 55.84	1.6429 68	56 31 31.6	14.185 175	- 11 14	- 86 12	1780
8218	8.9 G5	0 3.30	1.5189 95	58 40 8.5	14.177 163	+ 1 13	+ 2 10	1547
8219	8.8 G0	0 13.02	+ 1.4658 + 107	59 29 59.5	- 14.167 + 157	- 57 ± 13	- 28 ± 11	1626
8222	8.3 F5	0 41.52	1.4282 117	60 1 33.5	14.137 154	- 49 15	+ 33 13	1585
8223	7.0 A2	1 18.82	1.4240 118	60 1 16.0	14.099 154	- 52 15	- 34 13	1586
8225	8.8 G5	1 54.93	1.6388 69	56 22 33.7	14.061 177	- 33 14	- 64 12	1781
8226	7.0 F8	1 57.41	1.6500 67	56 9 38.9	14.059 178	- 52 14	+ 11 12	1782
8227	9.0 A3	2 12.45	+ 1.5685 + 84	57 35 46.0	- 14.044 + 169	+ 37 ± 14	- 49 ± 12	1552
8228*	8.8 G5	2 40.92	1.4701 106	59 9 57.8	14.013 159	- 32 13	+ 7 11	1628
8229*	5.3 G5	2 42.91	1.7043 57	55 2 17.6	14.012 184	+ 65 14	- 6 12	1730
8230	7.9 K0	2 51.83	1.5267 92	58 13 55.6	14.002 165	- 49 14	+ 66 12	1550
8235	9.0 G0	3 47.26	1.6806 62	55 22 34.6	13.944 182	- 65 14	- 25 12	1731

8154 = PGC 3803. 8228 = BDS 13296: 9.5, 9.6, 1". 8229 = PGC 3856.

Epochs: Stars 8146 to 8217, 1917.34; stars 8218 to 8235, 1916.90

15^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
8237*	8.8 G5	4 0.35	+1.6600 + 65	55 44 39.4	-13.930 +180	-.010 ± 13	+.015 ± 11	1733
8240	9.0 F8	4 24.60	1.5784 81	57 10 56.4	13.905 172	+ 31 14	- 17 12	1553
8241	8.6 F8	4 37.27	1.4714 105	58 56 19.3	13.891 161	- 69 14	+ 31 12	+1629
8244	7.3 K5	5 4.57	1.5181 94	58 8 7.1	13.863 166	+ 20 16	- 20 12	1552
8252	7.0 F8	6 8.58	1.5438 89	57 35 22.8	13.796 169	+ 18 14	- 79 12	1554
8253	9.1 G5	6 9.70	+1.4025 + 122	59 50 8.2	-13.794 +154	- 51 ± 14	- 2 ± 12	1631
8260	8.4 K0	7 25.49	1.6318 71	55 53 38.5	13.714 180	- 42 14	+ 15 12	1736
8262	7.5 K5	8 27.41	1.4076 120	59 31 27.2	13.648 156	- 4 14	+ 5 12	1632
8264	7.7 A0	8 37.35	1.5916 79	56 29 40.8	13.637 176	+ 32 14	- 10 12	1787
8267	9.1 G5	9 10.53	1.5301 92	57 30 2.2	13.602 170	- 4 12	+ 18 10	1556
8272	7.3 A2	9 39.46	+1.5843 + 81	56 30 49.3	-13.570 +176	- 33 ± 14	- 4 ± 12	1790
8274	9.0 F8	9 52.17	1.5248 93	57 31 4.5	13.557 170			1558
8276	8.5 G5	10 17.73	1.6151 75	55 53 29.7	13.529 180	+ 7 14	- 26 12	1737
8279	8.4 G0	10 23.09	1.5759 82	56 35 5.1	13.524 176	+ 3 14	- 20 12	1792
8280	8.2 G5	10 28.22	1.5128 95	57 39 22.6	13.518 169	+ 13 14	+ 43 12	1559
8281	9.0 K0	10 30.08	+1.4457 + 110	58 43 57.5	-13.516 +161	+ 3 ± 14	+ 22 ± 11	1557
8285	8.8 F5	11 4.15	1.3576 132	59 59 59.2	13.479 152	- 64 15	- 7 13	+1597
8286	9.0 G0	11 10.98	1.4998 98	57 47 48.6	13.472 168	+ 8 14	+ 41 12	1563
8287	8.7 M0	11 12.95	1.6642 66	54 52 29.9	13.470 186	- 16 14	- 38 12	1737
8290	8.7 K0	12 21.85	1.3567 131	59 53 15.3	13.395 153	- 56 14	+ 14 12	1636
8291	8.9 A2	12 41.10	+1.5687 + 84	56 28 17.5	-13.374 +176	+ 12 ± 14	- 15 ± 12	1793
8292	9.0 K5	13 8.04	1.4561 107	58 18 17.2	13.345 164	- 55 14	+ 10 12	1558
8293	9.3 K	13 35.21	1.6417 70	55 3 7.2	13.315 185	- 4 14	- 34 12	1740
8295	9.0 K5	13 46.78	1.4813 102	57 50 11.9	13.303 167	- 9 12	+ 15 10	1566
8297	8.3 K2	13 47.92	1.4513 108	58 18 50.6	13.301 164	- 24 14	- 16 12	1559
8302	8.9 K2	14 19.22	+1.5073 + 96	57 21 15.0	-13.267 +171	- 12 ± 16	- 12 ± 12	1567
8304	9.1 G0	14 28.33	1.4419 110	58 23 45.4	13.257 163	- 42 14	+ 10 12	1561
8305	9.1 F5	14 44.66	1.4994 97	57 26 39.1	13.240 170	+ 29 14	+ 11 12	1568
8309	9.0 G0	15 8.22	1.5941 79	55 46 7.9	13.214 181	+ 38 16	-110 14	1741
8310	6.8 K0	15 22.50	1.3804 124	59 14 54.3	13.198 157	- 11 14	+ 24 12	1637
8311	8.5 F8	15 25.77	+1.4977 + 98	57 24 11.2	-13.195 +170	+ 61 ± 14	- 88 ± 12	1571
8313	6.8 K0	15 50.01	1.3969 120	58 57 24.3	13.168 159	+ 29 14	+ 11 12	+1638
8315	7.9 K5	15 54.11	1.4218 114	58 34 8.2	13.163 162	- 11 16	- 39 12	1563
8316	8.1 K5	16 0.71	1.3263 137	59 58 28.1	13.156 151	- 17 14	+ 4 12	+1603
8324*	7.7 F5	17 19.88	1.5815 81	55 46 27.4	13.069 180	+ 2 14	+ 23 12	1744
8329	9.4 G	17 32.93	+1.4889 + 99	57 20 26.7	-13.054 +171	- 29 ± 16	+ 8 ± 12	1574
8331	8.4 K0	17 36.86	1.4949 98	57 14 7.5	13.050 171	+ 14 14	- 8 12	1576
8335	9.0 K2	18 42.73	1.3240 136	59 45 20.1	12.977 153	- 11 14	- 55 12	1644
8337	7.5 K5	18 53.03	1.5523 87	56 8 12.0	12.965 178	- 3 14	+ 8 12	1798
8340	8.5 F2	19 6.86	1.4787 101	57 21 19.9	12.950 171	- 24 15	- 1 11	1578
8344	9.0	19 21.30	+1.5844 + 81	55 31 12.6	-12.934 +182	- 30 ± 14	- 42 ± 12	1749
8345	8.9 K0	19 21.67	1.5826 81	55 33 16.0	12.934 182	+ 21 14	+ 12 12	1750
8348	8.7 K5	19 51.90	1.5755 82	55 37 47.9	12.900 181	- 9 12	- 16 10	1751
8350	9.0 K0	19 58.06	1.3868 121	58 43 2.2	12.892 160	- 84 14	+ 8 12	1567
8351	9.0 K0	20 12.80	1.3511 129	59 13 31.6	12.876 156	- 38 14	- 2 12	1650
8356	8.6 A3	21 3.06	+1.3518 + 129	59 8 18.6	-12.820 +157	- 37 14	+ 26 ± 12	1651
8358	8.6 K	21 15.93	1.3398 131	59 17 39.6	12.805 156	- 23 14	- 2 12	1653
8360	8.9 G5	21 36.30	1.4677 103	57 17 54.2	12.783 170	+ 4 16	- 29 12	1582
8362	8.5 G5	21 42.70	1.4108 115	58 11 22.6	12.775 164	- 61 16	- 5 12	1568
8363	7.1 K2	21 49.55	1.5409 88	56 2 59.9	12.768 179	- 16 14	+ 21 12	1804

8237 = BDS 7142: 9.4, 9.7, 0.″7. 8324 = BDS 7244: 7.7, 11.7, 11″; separated on plates.

Epochs: Stars 8237 to 8350, 1916.90; stars 8351 to 8363, 1916.45

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	in Decl	BD No
		m s	s	° ' "	"	"	"	
8366*	3.0 K0	22 9.11	+1.3266 +134	59 24 17.4	-12.746 +155			1654
8368	8.8 G0	22 17.65	1.4631 104	57 18 31.8	12.736 170	.000 ± 16	+.009 ± 12	1583
8370	8.8 K7	22 34.70	1.3208 135	59 27 0.2	12.717 154	+ 15 14	- 9 12	1655
8372	9.2 K0	22 44.16	1.4858 99	56 53 45.9	12.706 173	- 16 14	- 25 12	1806
8378	9.0 G0	24 16.53	1.4664 103	57 4 11.8	12.602 172	+ 5 16	- 62 12	1587
8383	6.5 A2	25 43.30	+1.5443 + 87	55 37 26.9	-12.503 +181	+ 24 ± 14	+ 9 ± 12	1756
8384	6.6 F8	25 58.05	1.4064 115	57 52 16.4	12.485 166	- 239 12	+170 10	1590
8387	9.2 F8	26 47.00	1.2774 82	54 56 11.8	12.430 186	- 4 11	- 11 9	+1757
8389	9.1 F8	27 9.18	1.5366 89	55 37 33.0	12.405 182	+ 64 14	- 60 12	1758
8391	8.6 F2	27 43.46	1.5691 83	54 59 56.8	12.366 186	- 25 14	- 39 12	+1759
8392	8.9	27 45.29	+1.2499 +149	59 59 14.4	-12.364 +149	+ 1 ± 14	- 2 ± 12	+1613
8396	7.6 M0	28 32.04	1.5708 82	54 53 41.4	12.311 186	+ 5 14	- 35 12	1752
8397	8.7 K0	28 36.21	1.5185 92	55 48 20.8	12.305 180	- 27 14	- 19 12	1760
8398	8.6 K2	28 36.98	1.4093 113	57 35 23.4	12.304 168	+ 18 14	+ 6 12	1591
8401	8.0 F8	29 11.51	1.2296 153	60 8 31.7	12.264 147	- 15 14	+ 28 12	1615
8402	8.8 F8	29 20.91	+1.5029 + 95	56 0 13.3	-12.253 +179	+ 4 ± 14	- 33 ± 12	1810
8405	8.9 K0	29 28.30	1.3523 125	58 23 2.6	12.245 161	+ 8 12	+ 16 10	1574
8407	9.3 F5	30 3.47	1.3231 131	58 45 48.6	12.204 158	+ 22 14	- 7 12	1575
8408	8.4 K2	30 13.21	1.5151 92	55 43 8.6	12.193 181	+ 12 14	- 18 12	1761
8410	9.4 G5	30 45.66	1.5270 90	55 27 54.3	12.156 182	+ 19 14	- 46 12	1762
8411	9.1 G5	30 56.55	+1.5521 + 86	55 0 32.2	-12.142 +185	- 64 ± 14	- 27 ± 12	1763
8412	8.2 M1	31 7.44	1.4471 104	56 46 15.8	12.130 174	- 46 14	+ 13 12	1812
8413	9.1 K7	31 8.78	1.2613 144	59 32 51.6	12.128 152	- 42 14	+ 31 12	1661
8414	9.0 G0	31 31.73	1.5458 86	55 4 7.8	12.102 185	- 24 14	+ 21 12	1765
8417	9.1 F8	31 51.50	1.4911 96	55 58 56.9	12.079 179	+ 9 14	+ 1 12	+1813
8421	9.1 K2	32 8.10	+1.3117 +132	58 45 11.1	-12.060 +158	+ 5 ± 14	- 7 ± 11	1577
8423	8.7 F8	32 35.75	1.4898 96	55 56 20.5	12.027 179	- 5 14	+ 7 12	+1814
8424*	5.7 A0	32 44.25	1.5412 87	55 2 37.8	12.018 185	+ 18 14	- 25 12	1766
8425	7.5 K5	32 48.23	1.2111 155	60 5 31.1	12.012 146	- 52 15	- 1 13	1622
8427	8.0 K7	32 53.73	1.2535 145	59 30 37.8	12.006 151	- 45 14	+ 23 12	1662
8429	9.2 G0	32 58.98	+1.3777 +118	57 42 6.4	-12.000 +166	+ 14 ± 14	- 27 ± 12	1596
8432	9.2 K2	33 44.53	1.3435 124	58 9 8.6	11.947 163	- 52 14	- 13 12	1579
8435	5.9 K0	34 19.26	1.5404 87	54 55 6.5	11.906 185	- 12 14	- 36 12	1758
8441	7.1 B9	35 36.83	1.4521 102	56 18 18.6	11.815 176	- 15 14	+ 41 12	1820
8442	9.0 A2	35 41.97	1.3871 115	57 19 50.8	11.809 169	+ 23 14	- 39 12	1597
8443	7.0 K0	35 53.00	+1.3469 +123	57 55 36.1	-11.796 +164	+ 13 ± 14	- 16 ± 10	1598
8445	9.1 K	36 0.34	1.3517 122	57 50 41.1	11.787 164	+ 10 16	- 1 12	1599
8446	6.9 Mb	36 5.25	1.3497 122	57 52 2.7	11.782 164	+ 23 14	- 36 12	1600
8447	9.1 F8	36 8.92	1.4597 101	56 8 12.5	11.777 177	- 7 14	+ 27 12	1821
8449	6.5 K0	36 24.10	1.3168 129	58 19 44.8	11.759 160	- 13 14	+ 19 11	1583
8451	9.0 F5	36 29.60	+1.4292 +106	56 36 10.3	-11.753 +174	+ 59 ± 13	- 13 ± 11	1822
8452	8.5 F5	36 30.60	1.5091 92	55 16 31.6	11.752 183	0 12	- 1 9	1768
8453	8.5 K0	36 43.56	1.3673 118	57 32 58.1	11.736 167	- 58 16	+ 63 12	1601
8455	8.8 G5	37 14.10	1.5005 93	55 21 42.2	11.700 183	+ 57 14	- 8 12	1769
8456	8.7 K2	37 16.90	1.4256 107	56 35 40.3	11.697 174	- 1 14	+ 11 12	1823
8457	9.1 G5	37 23.76	+1.3556 +120	57 40 15.3	-11.688 +166	- 48 ± 16	- 31 ± 12	1602
8459	8.9 G0	37 28.99	1.2503 142	59 11 10.0	11.682 153	- 19 14	+ 22 12	1666
8460	9.1 F5	37 30.08	1.2024 154	59 50 5.8	11.681 148	- 41 14	- 49 12	1667
8461	9.1 A5	37 32.67	1.4808 96	55 40 5.0	11.678 180	+ 31 16	- 14 12	1771
8462	8.9 F8	37 42.26	1.2502 142	59 10 13.4	11.667 153	+ 23 14	+ 3 12	1668

8366 = PGC 3936. 8424 = PGC 3977. Epoch of observation, 1916.45

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
8468	8.5 K2	38 42.11	+ 1.2020 + 153	59 44 51.0	− 11.595 + 148	−.013 ± 14	−.031 ± 12	1669
8472	8.6 K5	39 23.83	1.4558 100	55 55 53.5	11.546 178	+ 3 14	+ 13 12	+ 1828
8474	8.5 K0	39 29.16	1.5146 90	54 55 55.5	11.539 186	− 2 14	+ 11 12	+ 1773
8479	9.3 F0	40 55.72	1.2861 133	58 24 49.1	11.436 159	− 29 16	− 2 12	1587
8480	8.8 G0	40 58.56	1.2069 150	59 30 27.5	11.433 150	0 16	− 7 12	1670
8481	8.6 A2	41 6.04	+ 1.2849 + 133	58 25 1.7	− 11.424 + 159	− 6 ± 14	+ 13 ± 12	1588
8482	9.2 F8	41 21.03	1.2805 133	58 27 42.5	11.406 158	− 9 16	+ 25 12	1590
8483	9.0 F0	41 22.36	1.3731 115	57 5 17.2	11.404 169	+ 8 15	− 29 11	1604
8485	8.9 K0	41 45.04	1.3284 124	57 44 1.8	11.377 164	− 19 16	− 24 12	1605
8486	9.2 M	41 48.00	1.2262 145	59 11 2.8	11.373 152	− 53 14	− 25 12	1673
8487	7.0 F0	42 5.60	+ 1.2508 + 139	58 49 23.4	− 11.351 + 155	− 101 ± 14	+ 45 ± 12	1591
8488	7.1 K5	42 26.36	1.4586 99	55 38 23.3	11.327 180	+ 18 14	− 3 12	1775
8489	8.9 A3	42 26.88	1.1752 156	59 49 7.1	11.327 147	− 4 14	− 21 12	1674
8490	9.0 A3	42 29.33	1.1748 156	59 49 12.8	11.324 147	− 7 14	− 35 12	
8493	7.2 F5	42 56.57	1.3278 123	57 38 59.6	11.290 165	− 63 16	+ 54 12	1607
8498	7.5 F2	43 19.30	+ 1.1791 + 154	59 42 3.6	− 11.263 + 147	− 54 ± 15	− 93 ± 13	1675
8500	6.0 K2	43 35.28	1.4397 102	55 51 33.8	11.243 179	− 119 14	+ 67 12	1777
8501	9.0 F8	43 40.66	1.1696 156	59 48 0.7	11.237 146	− 25 15	− 99 13	1676
8503	8.1 K0	43 48.71	1.3562 117	57 9 19.8	11.227 169	− 61 14	+ 12 12	1608
8504	9.5	43 51.21	1.3514 118	57 13 33.2	11.225 168	− 46 14	+ 14 12	1609
8505	8.7 A3	44 12.29	+ 1.4417 + 101	55 46 37.4	− 11.199 + 180	− 14 ± 14	− 3 ± 12	1778
8507	9.4 K0	44 35.63	1.2879 130	58 6 27.2	11.171 161	− 20 14	− 15 12	1592
8509*	6.2 A2	44 37.04	1.4408 101	55 45 37.1	11.170 179	+ 39 14	+ 2 12	1779
8510	9.0 K2	44 43.90	1.2087 147	59 12 10.7	11.161 151	− 14 14	+ 2 12	1677
8512	9.4 G0	44 49.16	1.4355 102	55 49 51.9	11.155 178	+ 22 14	0 12	1780
8513	8.9 G5	44 52.46	+ 1.3938 + 110	56 29 33.7	− 11.151 + 174	− 4 ± 14	+ 26 ± 12	1831
8514*	7.7 F5	45 0.69	1.1569 158	59 52 7.5	11.140 145	− 50 17	+ 56 15	1678
8515	9.1 F5	45 3.61	1.2035 147	59 14 59.6	11.137 151	+ 18 14	+ 32 12	1679
8516	6.4 K0	45 7.36	1.1498 159	59 57 8.5	11.132 144	− 40 13	− 38 11	+ 1635
8518	9.3 G5	45 36.19	1.3907 110	56 28 59.3	11.097 174	− 141 14	− 132 12	1832
8519	9.2 K0	45 48.17	+ 1.4681 + 96	55 13 0.5	− 11.083 + 183	+ 4 ± 14	− 38 ± 12	1781
8520	7.3 K2	46 23.57	1.3784 111	56 37 1.3	11.040 173	+ 33 14	− 30 12	1833
8521	8.9 G5	46 29.02	1.3188 123	57 30 50.5	11.033 165	− 28 16	− 62 12	1611
8524	8.4 K0	46 57.26	1.4670 96	55 8 40.9	10.999 184	+ 15 14	− 37 12	1783
8528	9.0 G5	47 14.51	1.3608 114	56 49 30.2	10.978 170	− 35 14	+ 4 12	1834
8530	8.7 K5	47 37.31	+ 1.1791 + 151	59 23 24.3	− 10.950 + 148	+ 25 ± 16	− 25 ± 12	1682
8535	9.0 G0	47 47.18	1.2654 132	58 11 33.8	10.937 159	− 100 14	+ 8 12	1594
8536	9.4 G0	47 51.74	1.3164 122	57 26 59.3	10.932 165	− 15 16	+ 66 12	1614
8537	9.2 K0	48 37.33	1.1990 146	59 3 8.4	10.876 152	− 46 14	− 28 12	1683
8539	7.7 K5	48 44.12	1.3074 124	57 30 58.4	10.869 165	+ 21 14	− 47 12	1615
8540	8.8 G5	48 44.98	+ 1.1376 + 159	59 51 7.2	− 10.867 + 144	− 14 ± 13	+ 19 ± 11	1684
8543*	5.9 K0	49 22.16	1.3911 108	56 11 50.2	10.821 175	− 43 14	+ 62 12	1838
8544	9.2 K5	49 27.48	1.2650 131	58 4 41.5	10.815 160	+ 1 14	− 41 12	1596
8549	9.4 G0	50 38.27	1.2779 128	57 48 34.7	10.728 162	− 28 14	+ 30 12	1618
8550	9.0 K2	50 39.97	1.2401 136	58 20 23.8	10.726 157	− 41 14	− 231 12	1597
8553	8.4 F8	51 11.91	+ 1.1615 + 151	59 22 16.4	− 10.686 + 148	− 12 ± 14	+ 44 ± 12	1686
8554	8.6 F5	51 12.75	1.1566 152	59 26 4.4	10.685 147	− 51 14	+ 37 12	1687
8557	8.6 F5	52 5.54	1.2246 137	58 27 30.0	10.620 156	− 49 16	+ 21 12	1598
8560	8.4 K5	52 39.31	1.3768 109	56 10 49.7	10.578 175	− 9 14	+ 12 12	1844
8562	9.5	52 50.75	1.3938 106	55 54 1.9	10.565 177	+ 72 16	+ 22 14	1788

8509 = PGC 4022.

8514 = BDS 13325: 8.4, 8.6, 0″.2.

Epoch of observation, 1916.45

8543 = PGC 4047.

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8564	8.0 K0	53 3.24	+1.4292 +100	55 18 55.1	-10.549 +182	-.009 ± 12	-.033 ± 10	1790
8565	8.9 K0	53 3.24	1.1736 147	59 5 0.1	10.549 150	- 37 16	+ 13 12	1690
8566	9.4 G0	53 3.62	1.3996 105	55 47 32.7	10.548 178	- 9 14	- 41 12	1789
8567	9.3 G0	53 18.84	1.2153 138	58 30 6.9	10.530 155	+ 17 14	+ 7 12	1600
8568	8.3 F8	53 19.75	1.2761 127	57 38 40.3	10.529 163	+ 20 12	- 20 10	1620
8569	6.3 B9	53 24.31	+1.1575 +150	59 16 24.1	-10.523 +148	- 16 ± 14	+ 45 ± 12	1691
8573	8.8 G0	53 49.66	1.4239 101	55 20 45.1	10.491 181	- 50 14	+ 32 12	1791
8574	9.1 G	53 51.57	1.2739 127	57 38 28.0	10.489 163	- 21 16	+ 84 13	1621
8577*	5.1 A5	54 49.00	1.4344 98	55 6 17.8	10.417 183			1793
8579	8.8 K5	55 13.85	1.4483 96	54 50 40.1	10.387 185	+ 28 14	- 52 12	1786
8580	9.0 A7	55 15.06	+1.4060 +103	55 32 4.6	-10.385 +180	+ 54 ± 16	- 26 ± 12	1794
8581	8.9 G5	55 28.23	1.3994 104	55 37 26.1	10.369 179	+ 33 16	- 38 12	1795
8583	9.1 G5	55 52.05	1.2572 128	57 44 21.5	10.340 161	+163 14	-233 12	1627
8585	8.7 G0	56 21.70	1.0769 165	60 6 20.7	10.301 139	- 20 14	- 32 12	1643
8590	8.9 F8	57 1.79	1.2498 129	57 46 8.7	10.252 161	+ 41 14	+ 32 12	1628
8592	8.9 K0	57 16.05	+1.2650 +126	57 32 7.7	-10.234 +163	+ 25 ± 12	- 21 ± 9	1629
8594	8.0 A0	57 21.07	1.4376 97	54 52 22.3	10.227 185	- 3 14	+ 29 12	1788
8596	9.1	57 52.15	1.1348 151	59 16 25.8	10.188 147	- 10 14	- 14 12	1694
8598	8.9 K0	57 58.18	1.1024 158	59 41 0.4	10.181 143	- 12 12	+ 2 11	1695
8600	8.5 F8	58 10.47	1.3762 106	55 48 9.6	10.165 178	+ 3 16	- 29 12	1799
8602	8.7 K2	58 15.60	+1.3856 +105	55 39 1.5	-10.159 +179	- 12 ± 14	+ 11 ± 12	1800
8605	8.3 F5	58 25.70	1.3106 117	56 47 21.6	10.146 169	+ 3 16	- 39 12	1850
8607	7.7 K5	58 33.45	1.3704 107	55 52 9.0	10.136 177	- 1 16	+ 11 12	1801
8613	8.6 K5	59 16.05	1.2962 119	56 56 50.9	10.083 167	+ 70 16	- 10 12	1852
8614	8.8 K2	59 17.61	1.3893 104	55 31 14.3	10.081 180	- 15 14	- 19 12	1803
8615*	3.6 F8	59 31.51	+1.1551 +145	58 54 13.2	-10.061 +150			1608
8616	7.6 G5	59 38.14	1.0706 162	59 58 31.8	10.054 139	-141 ± 15	+ 64 ± 13	+1645
8619	9.3 G5	0 17.00	1.3004 118	56 49 3.3	10.006 169	- 2 14	- 28 12	1856
8620	8.5 K0	0 28.02	1.2348 129	57 45 8.4	9.992 160	- 19 14	- 47 12	1633
8621	8.6 G0	0 28.64	1.3841 104	55 31 24.0	9.991 179	- 47 14	+ 34 12	1806
8626	6.5 Ma	0 53.15	+1.0821 +159	59 45 14.7	- 9.960 +141	- 38 ± 14	- 31 ± 12	1697
8627	7.2 K0	1 22.49	1.1053 153	59 25 52.4	9.923 144	- 14 14	+ 1 12	1698
8630	8.9 F8	1 36.57	1.3362 111	56 11 35.0	9.905 173	- 24 14	+ 11 12	1858
8633	8.5 F0	1 57.73	1.0799 158	59 42 56.9	9.878 141	- 6 14	- 13 12	1699
8637	8.7 F2	2 54.17	1.1690 139	58 30 10.0	9.806 153	- 36 14	+ 19 12	1611
8638	8.8 K2	2 55.66	+1.1892 +136	58 13 40.5	- 9.804 +156	- 37 ± 16	- 7 ± 14	1615
8641	8.6 A0	3 10.05	1.2739 120	57 1 10.8	9.786 167	- 11 16	+ 1 11	1637
8642	8.7 F8	3 10.12	1.2783 120	56 57 19.8	9.786 167	0 14	- 30 12	+1636
8647	8.2 F2	3 43.39	1.3132 113	56 24 14.7	9.744 171	- 4 14	+ 4 12	1861
8649	8.2 F2	3 55.54	1.2066 132	57 55 38.2	9.728 158	- 18 14	+ 18 12	1639
8650	8.6 A2	4 7.57	+1.3530 +107	55 46 13.0	- 9.713 +177	- 15 ± 14	+ 17 ± 12	1816
8653	9.0 G5	4 15.22	1.2000 132	57 59 49.9	9.703 157	- 36 14	- 1 12	+1616
8655	9.4 K0	4 22.53	1.3753 103	55 24 18.3	9.694 180	- 6 14	- 53 12	1817
8658	9.0 F5	4 43.79	1.3158 112	56 18 2.3	9.667 172	+ 4 14	+ 20 12	1862
8660	9.0 K5	4 50.95	1.2950 116	56 36 14.1	9.657 170	- 17 14	- 7 12	1863
8663	8.4 K5	4 55.65	+1.2966 115	56 34 29.2	- 9.651 +170	- 4 ± 14	+ 8 ± 12	1864
8664	9.0 F5	5 3.62	1.2590 122	57 6 59.0	9.641 165	- 2 13	+ 8 10	1643
8665	8.9 K2	5 16.33	1.4060 98	54 51 28.8	9.625 184	+ 40 16	- 20 12	1797
8673	8.7 G0	6 24.45	1.3137 112	56 13 35.4	9.538 173	+ 16 14	+ 14 12	1865
8675	7.3 A2	6 26.11	1.2473 123	57 11 58.2	9.535 164	- 14 14	- 4 12	1647

8577 = PGC 4072. 8615 = PGC 4090.

Epochs: Stars 8564 to 8616, 1916.45; stars 8619 to 8675, 1916.89

16h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8677	9.1 G0	6 34.82	+1.1635 +137	58 21 0.1	-9.524 +154	-.027 ±14	+.001 ±12	1621
8678*	6.5 A0	6 36.02	1.1698 136	58 15 52.2	9.523 154	- 11 16	+ 28 12	1622
8679	6.3 K0	6 40.87	1.3173 111	56 9 18.5	9.516 173	- 36 14	+ 22 12	1867
8684	9.1 K5	7 0.01	1.2910 115	56 31 42.5	9.492 170	+ 12 14	- 7 12	1868
8685	8.6 K2	7 22.66	1.2021 130	57 46 38.3	9.463 159	+ 21 14	- 25 10	1649
8686	8.6 K5	7 23.43	+1.3899 + 99	54 58 57.1	-9.462 +183	+ 32 ±16	- 22 ±12	+1818
8689	8.5 F8	7 53.26	1.0599 156	59 36 36.3	9.424 140	- 2 14	+ 17 12	1703
8692	9.2	8 11.09	1.0207 163	60 4 26.4	9.400 135	- 77 15	+ 73 13	—
8693	8.9 G5	8 12.50	1.2140 127	57 33 39.5	9.399 161	- 24 14	- 58 11	1650
8694	8.9 K2	8 14.58	1.2202 126	57 28 20.6	9.396 161	- 21 16	+ 6 12	1651
8695	8.2 G0	8 38.45	+1.0244 +162	60 0 0.6	-9.365 +136	- 22 ±14	-135 ±12	1659
8697	7.6 F5	9 11.02	1.0412 158	59 46 2.7	9.323 138	- 23 14	+ 69 12	1704
8699	8.5 F8	10 8.73	1.1655 134	58 6 45.9	9.249 155	+ 2 16	0 12	1625
8702	9.2 B9	10 28.66	1.3089 110	56 2 55.2	9.223 174	- 20 14	- 25 12	1875
8703	8.4 K0	10 30.56	1.1983 128	57 38 33.1	9.221 159	+ 7 15	- 27 11	1656
8706	9.1 K2	10 58.77	+1.3120 +109	55 58 19.6	-9.184 +174	- 21 ±14	+ 2 ±12	+1877
8708	9.1 G0	11 9.70	1.3171 108	55 53 2.0	9.170 175	- 27 11	- 65 9	1820
8709	8.8 K2	11 24.58	1.0226 159	59 52 7.5	9.150 136	- 8 14	+ 1 12	1707
8712	8.4 K2	11 46.75	1.1796 130	57 49 34.4	9.122 157	+ 1 15	+ 8 11	1658
8713	8.6 G0	12 11.54	1.2131 124	57 20 21.8	9.090 162	+ 74 14	- 48 12	1660
8714	8.7 B8	12 31.97	+1.2967 +110	56 6 37.7	-9.063 +173	- 15 ±14	- 16 ±12	1879
8715	8.4 F8	12 34.43	1.1496 134	58 11 6.4	9.060 153	- 15 16	- 4 12	1626
8721	7.5 F5	13 36.09	1.0994 142	58 47 13.0	8.979 147	- 3 16	+ 16 12	1628
8724	8.5 G5	14 16.54	1.1852 127	57 36 26.0	8.927 159	- 3 12	- 51 10	1662
8728	8.5 K0	14 27.89	1.1818 127	57 38 40.9	8.912 158	- 18 14	+ 36 12	1664
8729	9.1 K0	14 33.89	+1.2756 +112	56 18 21.6	-8.904 +170	+ 15 ±14	- 25 ±12	1882
8731	7.5 F2	14 37.81	1.2115 122	57 13 24.3	8.899 162	- 11 15	+ 23 11	1665
8732	9.3 G0	14 43.10	1.3317 104	55 27 9.9	8.892 178	+ 45 16	- 8 12	1824
8734	9.3 F0	14 46.73	1.1348 135	58 15 33.1	8.887 152	+ 27 14	+ 17 12	—
8735	9.3 K5	14 48.75	1.0118 157	59 48 44.3	8.884 136	- 19 16	- 42 12	1713
8737	9.1 F2	14 55.42	+1.3470 +101	55 12 19.2	-8.875 +180	- 54 ±14	+ 29 ±12	1825
8738	9.3 A0	14 58.63	1.2578 115	56 32 35.3	8.871 168	- 29 14	+ 9 12	1883
8740*	5.3 Mb	15 10.48	0.9897 161	60 3 31.9	8.856 133	+ 31 14	+ 4 12	1665
8742	9.2 G0	15 30.30	1.1268 136	58 19 27.7	8.829 151	- 94 14	+ 36 12	1630
8743	8.6 K2	15 36.76	1.2627 113	56 26 10.2	8.822 169	+ 7 14	+ 4 12	1884
8747	9.0 G0	15 52.92	+1.1544 +130	57 56 11.8	-8.801 +155	+ 60 ±16	- 21 ±12	1666
8748	9.3 F5	15 53.53	1.0937 141	58 43 58.6	8.800 147	- 14 14	- 41 12	1631
8752	9.4 G0	16 28.31	1.2160 120	57 3 26.1	8.754 163	- 30 14	+ 15 12	1667
8753	8.1 K5	16 30.76	1.3484 100	55 5 28.9	8.751 181	- 10 14	- 54 11	1830
8755	8.7 F0	16 32.42	0.9890 159	59 59 39.7	8.749 134	- 9 14	- 42 12	+1666
8759	8.4 K5	16 47.57	+1.0226 +153	59 34 32.2	-8.729 +138	- 19 ±14	- 16 ±12	1716
8760*	8.2 A3	16 49.09	1.1535 130	57 53 54.1	8.727 155	+ 41 14	- 15 12	1668
8761	9.3 G0	16 51.18	1.3335 102	55 18 6.7	8.724 179	- 10 14	- 88 12	1831
8764	9.2 A5	17 16.61	1.3347 102	55 15 37.5	8.690 179	- 29 14	- 38 12	1833
8766	9.0 K2	17 26.23	1.2995 107	55 47 15.1	8.678 175	- 28 14	- 23 12	1834
8771	8.5 F2	17 50.62	+1.3352 +101	55 13 18.2	-8.646 +179	- 30 ±12	- 9 ±10	1835
8772	8.5 F0	17 57.30	1.2603 112	56 20 22.3	8.637 170	- 6 14	+ 1 12	1887
8773	9.2 K0	17 59.03	1.2829 109	56 0 19.7	8.635 173	- 27 13	+ 39 11	1886
8776	9.1 K0	18 13.19	1.3124 104	55 32 55.4	8.616 177	- 23 14	-111 12	1836
8777	7.4 G5	18 16.71	0.9753 160	60 4 1.5	8.612 132	- 9 15	- 28 13	1669

8678 = PGC 4123. 8740 = PGC 4159. 8760 = BDS 13346: 8.7, 9.3, 0".3.

Epoch of observation, 1916.89

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8778	8.7 G5	18 28.64	+1.3227 +103	55 22 45.1	-8.596 +178	-.048 ±14	+.038 ±12	1837
8779	8.9 K0	18 32.34	1.0332 149	59 21 17.1	8.591 140	+ 7 14	+ 6 12	1717
8782	8.9 G0	18 42.94	1.1690 125	57 35 9.5	8.576 158	- 80 15	+ 54 11	1670
8785	7.8 Ma	19 5.76	1.1977 121	57 10 12.3	8.547 162	+ 1 12	+ 3 10	1671
8796	8.6 G5	21 9.01	1.0510 142	59 0 2.0	8.384 143	- 55 14	+ 65 12	1721
8799	8.9 K5	21 17.11	+1.3082 +103	55 26 46.6	-8.373 +177	- 6 ±14	- 7 ±12	1843
8801	9.0 G5	21 28.53	1.1276 129	57 59 47.7	8.358 153	- 29 14	- 7 12	+1635
8802	7.0 F8	21 34.87	1.2950 104	55 37 31.7	8.350 175	+ 26 14	-355 12	1844
8804*	5.6 A2	21 41.58	1.3039 103	55 29 25.1	8.341 177			1845
8807	9.4 G0	21 50.54	1.3039 103	55 28 49.9	8.329 177	- 13 14	- 32 12	1846
8808	9.1 G5	21 54.31	+1.1948 +119	57 3 42.9	-8.324 +162	- 4 ±13	- 38 ±10	1675
8814	8.8 G5	22 27.92	1.0819 136	58 32 30.5	8.279 147	- 15 14	+ 3 12	1637
8815	9.0 F8	22 52.65	1.1678 122	57 23 3.7	8.247 159	+ 36 14	- 26 12	1677
8820	9.3 A7	23 14.28	1.0645 138	58 43 28.5	8.218 145	- 9 14	+ 22 12	1638
8821	8.9 F5	23 25.89	1.0355 143	59 4 41.7	8.202 141	- 6 13	+ 1 10	1725
8824	7.7 K0	24 42.42	+1.0748 +135	58 31 17.7	-8.100 +147	+ 12 ±16	0 ±12	1640
8825	9.3 G0	25 19.82	1.1329 125	57 43 49.5	8.050 155	+ 8 14	- 74 12	1678
8828	9.4 K2	25 23.56	0.9724 151	59 44 57.1	8.045 133	- 17 16	+ 13 12	1727
8830	9.5	25 34.37	0.9365 157	60 9 40.6	8.031 129	- 31 14	+ 24 12	1679
8833	9.3	26 13.14	0.9430 155	60 3 17.2	7.979 129	+ 23 13	- 35 12	1681
8834	7.8 K0	26 14.92	+1.0694 +134	58 30 48.1	-7.977 +146	+ 11 ±16	- 62 ±12	1641
8838	8.0 K0	26 25.64	1.1915 115	56 52 41.7	7.962 163	- 4 14	- 41 12	1892
8839	9.2 K0	26 33.71	1.1902 115	56 53 22.4	7.951 163	- 15 14	+ 17 12	1894
8840	9.0 K0	26 41.84	1.2639 105	55 49 42.0	7.941 173	+ 13 14	+ 2 12	1851
8843	8.3 K2	27 9.33	1.1439 121	57 29 40.6	7.904 157	+ 33 14	- 9 12	1681
8846	9.0 G5	27 20.42	+1.1104 +126	57 55 49.6	-7.889 +152	+ 19 ±16	- 42 ±12	1682
8849	9.4 F5	28 14.80	0.9727 147	59 36 43.2	7.816 134	+ 28 14	+ 65 12	1729
8850	9.4 K0	28 14.78	1.0902 128	58 9 9.1	7.816 150	+ 13 14	- 2 12	1642
8854	9.2 F8	28 46.47	1.2306 108	56 12 31.0	7.774 169	+ 25 16	- 40 12	1897
8855*	9.5 F8	28 49.53	1.0846 129	58 11 48.9	7.769 149	+ 13 14	+ 20 12	1643
8856	8.6 G5	28 50.17	+1.1242 +123	57 40 36.2	-7.768 +154	- 34 ±15	- 53 ±11	1683
8857	9.0 G0	28 53.66	1.0861 128	58 10 30.0	7.764 149	- 21 14	+ 15 12	1644
8858	8.2 K5	29 2.93	1.0909 128	58 6 16.9	7.752 150	+ 55 16	- 64 14	1645
8863	9.0 F8	29 47.12	1.3150 96	54 54 25.8	7.692 180	- 4 16	- 35 12	1818
8865	8.6 K5	29 57.67	1.1146 123	57 45 7.1	7.678 154	+ 15 12	- 22 10	1685
8871	8.8 K5	30 48.63	+1.2334 +106	56 4 14.2	-7.609 +170	+ 20 ±16	- 29 ±12	1899
8872	8.9	30 59.70	0.9250 152	60 2 45.5	7.594 128	- 49 14	- 35 12	1686
8873	9.0 K5	31 7.53	1.3047 96	54 59 58.6	7.584 179	+ 16 14	+ 8 12	+1853
8875	9.1 K2	31 25.22	1.0370 133	58 40 55.6	7.559 143	- 14 14	- 11 11	1648
8877	7.9 K0	31 50.91	0.9313 150	59 56 8.4	7.525 129	- 26 14	- 39 12	1734
8880	9.3 G5	32 2.59	+1.1842 +111	56 42 42.4	-7.509 +163	+ 21 ±12	- 14 ±10	1901
8882	9.1 K2	32 14.66	1.1811 111	56 44 41.2	7.493 163	+ 13 12	- 10 10	1902
8883	8.9	32 24.68	0.9138 152	60 6 47.3	7.479 127	- 61 14	- 1 12	1687
8886	8.5 A2	32 42.54	1.2484 102	55 45 51.7	7.455 172	+ 6 14	+ 7 12	1857
8887	8.6 K5	32 42.61	1.1469 116	57 11 33.0	7.455 158	+ 11 14	+ 2 12	1689
8888	8.6 K0	32 43.26	+1.2911 + 97	55 7 45.5	-7.454 +178	- 1 14	- 15 ±12	1858
8891	8.6 K2	32 48.57	1.0376 132	58 36 46.0	7.447 144	+ 45 16	+ 25 12	1649
8893	9.1 K7	33 22.39	0.9709 141	59 24 9.9	7.401 135	- 8 14	- 61 12	1736
8895	7.2 A3	33 25.04	1.0808 124	58 2 7.7	7.398 150	+ 59 16	- 33 12	1650
8898	8.7 K0	33 46.88	1.1142 119	57 34 48.9	7.370 154	+278 12	-231 10	1692

8804 = PGC 4187. 8855 = BDS 13350:9.9,10.9,0".5. Epoch, 1916.89

16^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8899	8.1 K0	34 2.19	+0.9928 + 137	59 6 36.9	- 7.347 + 138	+.005 ± 14	-.023 ± 12	1738
8903	8.3 G0	34 11.42	0.9527 143	59 35 1.5	7.335 132	+ 135 14	- 98 12	1739
8904	9.0 K0	34 15.04	1.3044 94	54 51 26.3	7.330 180	+ 50 14	+ 28 12	1823
8907	9.0 K2	34 46.99	0.9387 145	59 43 23.7	7.286 131	- 43 14	- 12 12	1740
8909	8.3 K7	34 55.59	0.9816 137	59 12 25.1	7.274 137	- 3 16	- 48 14	1741
8910	8.2 K0	34 56.78	+1.2247 + 103	56 0 18.2	- 7.273 + 170	+ 3 ± 13	- 2 ± 10	1905
8912	8.7 G0	35 26.17	1.1971 107	56 22 34.4	7.233 166	+ 8 16	- 14 12	1906
8913*	5.5 G5	35 29.16	1.2051 105	56 15 41.1	7.229 167	- 11 14	+ 85 12	1907
8914	8.6 K2	35 36.73	1.0713 124	58 3 40.9	7.219 149	+ 44 14	- 42 12	1653
8916	8.8 G	35 48.45	1.2307 102	55 52 49.8	7.202 171	- 39 14	+ 42 12	1861
8917	8.7 K5	35 50.30	+1.0399 + 128	58 27 4.8	- 7.200 + 145	+ 7 ± 15	+ 7 ± 11	1654
8918	9.0 F5	36 16.30	1.0286 129	58 34 23.4	7.165 143	+ 34 13	- 53 11	1655
8919	9.4 F8	36 18.54	0.9362 143	59 41 16.0	7.161 131	- 28 14	- 42 12	1743
8922	9.0 K2	36 36.85	1.2248 102	55 55 48.3	7.137 170	+ 17 14	- 19 12	1862
8923	9.2 G0	36 37.29	1.1671 109	56 44 32.9	7.136 162	+ 13 14	+ 37 12	1910
8927	8.6 K0	37 28.25	+1.2616 + 97	55 21 14.5	- 7.066 + 175	- 45 ± 14	+ 11 ± 11	1864
8928	8.8 K0	37 29.87	0.9708 136	59 13 45.7	7.064 135	- 10 14	- 15 12	1745
8929	8.8 G0	37 35.27	1.0712 121	57 58 41.6	7.057 149	+ 44 16	- 45 12	+ 1659
8930	7.4 F5	37 56.71	1.0399 125	58 21 40.4	7.028 145	+ 31 16	- 23 12	1661
8931	7.9 K0	38 8.15	1.1864 105	56 24 26.9	7.012 165	+ 18 16	- 32 12	1911
8933	8.7 K	38 21.87	+1.2218 + 101	55 53 43.1	- 6.993 + 170	- 57 ± 14	- 9 ± 12	1865
8934	9.0 F2	38 23.80	1.1014 116	57 33 4.1	6.990 153	- 37 14	- 5 12	1696
8935	9.2 F8	38 29.76	1.1196 114	57 18 18.8	6.982 156	- 2 13	- 29 11	1697
8936	8.2 G0	38 48.06	0.9630 135	59 16 16.7	6.958 135	+ 59 14	+ 123 12	1746
8937	9.0 F8	38 57.78	1.0393 124	58 19 37.4	6.945 145	+ 41 15	- 24 11	1663
8938	8.1 G5	39 41.51	+1.1072 + 114	57 25 12.4	- 6.884 + 154	- 6 ± 14	+ 7 ± 12	1698
8940	9.1 K0	39 53.99	1.2143 101	55 56 17.8	6.868 169	+ 71 13	- 7 10	1869
8942	8.7 K	40 6.10	1.0776 118	57 47 27.2	6.851 150	+ 19 14	- 1 12	1699
8943*	5.9 A2p	40 25.58	1.2140 100	55 55 17.7	6.825 169	+ 73 16	+ 66 12	1872
8945	9.1 G0	40 51.76	1.0522 120	58 5 8.6	6.788 147	+ 57 14	- 93 12	1664
8948	9.1 K0	41 7.92	+0.9971 + 127	58 45 40.1	- 6.766 + 140	+ 46 ± 14	- 221 ± 12	1665
8949	9.0 G0	41 10.92	1.2083 100	55 58 11.3	6.762 169	- 18 14	- 40 12	+ 1915
8951	9.5 G0	41 31.03	0.9624 132	59 10 4.1	6.734 135	- 9 14	+ 4 12	1751
8953	8.4 G0	41 41.25	1.2628 93	55 9 9.3	6.721 176	+ 143 14	- 295 12	1873
8954	8.5 F0	41 41.64	1.0669 117	57 51 54.9	6.720 149	+ 35 11	+ 2 9	1700
8963*	5.0 F0	42 55.90	+1.1284 + 108	57 0 24.3	- 6.618 + 158			1702
8964	6.7 F2	43 3.54	1.2328 96	55 32 25.6	6.607 173	- 5 ± 14	- 35 ± 12	1876
8965	9.0 K0	43 4.59	1.0446 119	58 5 39.0	6.605 147	- 9 12	- 17 10	1666
8966	8.2 G5	43 5.67	1.2007 99	55 59 57.8	6.604 168	+ 2 14	- 16 12	+ 1917
8967	8.4 K2	43 7.62	1.0272 121	58 18 40.6	6.601 145	+ 5 14	- 31 12	1667
8969	9.1 F8	43 15.56	+1.0567 + 117	57 56 1.4	- 6.591 + 149	+ 50 ± 16	- 28 ± 12	1704
8971	8.4 K2	43 33.50	0.9797 127	58 52 49.0	6.566 138	+ 24 16	- 7 12	1669
8972	8.5 A3	43 41.90	1.1783 101	56 17 30.1	6.554 165	+ 41 13	+ 3 11	1918
8973	9.4 G5	43 51.34	0.9291 133	59 28 19.4	6.541 131	- 9 14	+ 23 12	1754
8974	9.0 A	44 7.40	1.1548 104	56 35 58.1	6.519 162	+ 25 13	- 4 11	1919
8975	9.4 G5	44 16.02	+1.1965 + 99	56 0 43.2	- 6.507 + 168	+ 8 ± 14	- 12 ± 12	1920
8976*	7.3 K2	44 17.93	1.2230 96	55 37 55.5	6.505 172	+ 30 14	+ 3 12	1878
8977	8.9 G0	44 20.18	1.0004 123	58 35 54.4	6.501 141	+ 13 14	+ 37 12	1670
8981	9.0 A5	44 59.90	0.8892 138	59 53 21.5	6.446 126	+ 8 14	- 9 12	1757
8983	9.0 K0	45 10.50	1.1331 105	56 51 15.9	6.432 159	+ 23 16	+ 4 12	1922

8913 = PGC 4240. 8943 = PGC 4263. 8963 = PGC 4270. 8976 = PGC 4275.

Epochs: Stars 8899 to 8940. 1916.89; stars 8942 to 8983, 1916.45

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
8984	8.8 G0	45 21.43	+1.1135 + 107	57 6 38.9	- 6.417 + 157	+.040 ± 14	+.020 ± 12	1708
8986	9.3	45 39.34	0.8718 139	60 3 43.3	6.392 123	- 40 18	- 11 16	1702
8987	7.0 G5	45 46.75	1.0667 113	57 42 28.6	6.382 150	+ 15 14	- 14 12	1709
8988	9.1 F5	45 47.70	0.9468 128	59 11 26.6	6.380 134	- 26 14	- 30 12	1760
8991	8.9	45 51.31	0.8640 140	60 8 31.6	6.375 122	+ 4 15	- 36 13	1704
8992	7.8 K0	45 52.08	+1.2204 + 95	55 36 29.2	- 6.375 + 172	+ 30 ± 14	- 39 ± 12	1879
8993	8.9 G5	45 59.37	1.2376 93	55 21 5.4	6.365 174	+120 16	-245 12	1880
8994	7.5 Mb	46 5.93	1.0405 116	58 1 52.1	6.355 147	+ 30 16	- 4 12	1672
8996	8.8 G	46 58.22	0.8968 134	59 43 52.6	6.283 127	- 20 16	- 1 12	1762
8997	7.9 G5	46 59.41	0.8978 134	59 43 6.0	6.281 127	+ 2 16	- 24 12	1763
9001	8.7 F5	47 24.04	+0.9400 + 127	59 12 45.9	- 6.247 + 133	- 3 ± 14	+ 19 ± 12	1764
9003	9.0 F5	47 34.58	1.0001 119	58 28 53.3	6.232 141	- 1 14	+ 41 12	1673
9004	9.6 G	47 36.21	0.9504 126	59 4 57.5	6.230 134	+ 37 14	+ 38 12	1765
9005	9.3 K2	47 43.73	0.9338 128	59 16 25.2	6.220 132	- 24 14	- 55 12	1766
9008	9.1 K7	48 15.58	1.1578 99	56 23 57.0	6.176 163	- 3 16	- 15 12	1926
9009	7.9 K0	48 25.29	+1.1471 + 100	56 32 25.2	- 6.162 + 162	- 5 ± 13	- 2 ± 11	1927
9011	8.9 K	48 41.75	1.1583 99	56 22 34.9	6.139 163	+ 11 14	- 1 12	1928
9012	9.2 G5	48 51.84	1.2179 92	55 31 44.3	6.125 172	- 35 16	- 51 12	1884
9014	9.3 K2	49 25.15	0.9898 118	58 32 30.5	6.079 140	+ 26 14	+ 19 12	1675
9016	8.6 G5	49 30.30	0.8874 131	59 44 55.7	6.071 126	- 36 14	- 4 12	1767
9017	8.0 G5	49 53.94	+0.9063 + 128	59 31 4.8	- 6.039 + 129	+ 51 ± 14	- 47 ± 12	1769
9019	9.2 G5	50 3.03	1.0466 110	57 48 36.7	6.026 148	- 9 14	+ 27 12	1712
9020	9.0 G	50 13.60	1.2540 87	54 57 7.9	6.012 177	+ 49 16	+ 48 12	1847
9022	8.4 B9	50 24.35	1.1663 96	56 12 8.8	5.997 165	+ 13 14	- 11 12	1929
9023	9.0 G0	50 41.61	1.0320 111	57 58 19.0	5.973 146	+ 19 14	+ 19 12	+1678
9026	8.5 K	50 45.36	+1.1470 + 98	56 27 25.2	- 5.968 + 162	+ 29 ± 14	+ 4 ± 12	1930
9031	9.5 G5	52 2.27	0.9243 123	59 14 12.2	5.860 131	- 70 14	+ 90 12	1771
9033	9.2 K0	52 5.01	1.2214 89	55 21 42.8	5.856 173	- 5 14	+ 10 12	1888
9035	9.5 B	52 17.53	1.0063 112	58 14 18.2	5.839 143	- 1 14	- 40 12	1679
9040	8.3 K	52 37.91	1.2247 88	55 17 37.3	5.811 173	+ 29 15	+ 55 11	1889
9042	9.4 G0	52 42.95	+1.0083 + 112	58 11 59.2	- 5.803 + 143	- 12 ± 15	+ 11 ± 11	1681
9043	9.0	52 44.79	0.8498 132	60 3 50.1	5.801 121	- 26 15	- 19 13	1715
9049	9.1 G5	53 20.08	1.0679 104	57 25 19.4	5.752 151	+ 8 12	+ 68 10	1715
9053	8.6 K	54 9.83	1.1929 90	55 41 47.9	5.682 169	- 27 16	- 8 12	1890
9055*	8.6 G0	54 20.55	1.0683 103	57 22 54.9	5.668 152	+111 14	- 25 12	1716
9056*	9.3 K5	54 21.62	+1.0662 + 103	57 24 30.9	- 5.666 + 152	+ 7 ± 14	+ 27 ± 12	1717
9057	8.8 F0	54 41.72	1.0710 102	57 20 4.8	5.637 152	- 5 16	- 9 12	1718
9061	8.5 K2	54 56.20	1.0074 109	58 8 11.2	5.617 144	+ 18 14	+ 17 12	1683
9062	9.0 G0	55 1.15	1.0089 109	58 6 53.8	5.610 144	+ 5 14	+ 27 12	1684
9065	9.0 A0	55 21.86	1.0854 100	57 7 27.6	5.581 155	+ 18 14	- 5 12	1719
9066	8.3 F5	55 25.15	+0.8748 + 124	59 41 51.5	- 5.577 + 125	+ 55 ± 16	+ 52 ± 12	1772
9067	8.6	55 34.71	0.8487 127	59 59 8.2	5.563 121	+ 2 14	- 14 12	+1721
9069	9.3 K2	55 44.86	1.2216 86	55 13 50.2	5.549 174	+ 4 14	- 15 10	1891
9073	9.2 F5	56 10.51	1.2153 86	55 18 28.0	5.513 173	- 36 14	+ 43 12	1893
9074	8.4 M0	56 18.35	1.2419 83	54 54 56.0	5.502 177	+ 14 14	- 23 12	1852
9075	9.2 A2	56 35.05	+1.1681 + 90	55 57 51.4	- 5.479 + 166	+ 20 ± 11	- 18 ± 9	+1933
9076	9.3 A0	56 39.68	1.0072 107	58 5 1.7	5.472 144	+ 3 14	- 5 12	1685
9077	8.6	56 52.11	0.8452 126	59 59 3.4	5.454 121	- 26 15	- 37 13	+1723
9078*	5.8 K0	57 3.90	1.1003 97	56 52 23.1	5.438 156	- 29 14	+ 42 12	1934
9079	8.9 K0	57 14.52	1.1645 90	55 59 31.7	5.423 166	+ 11 16	- 21 12	+1935

9055 = BDS 13357: 9.3, 9.4, 0".4. 9056 = BDS 13357: 10.0, 10.2, 0".8. 9078 = PGC 4330.

Epoch of observation, 1916.45

$16^h - 17^h$

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ′ ″	″		″		″		
9081	8.8	K0	57 29.20	+0.9333	+114	58 57 15.9	-5.403	+134	+.022	±14	-.021	±11	1687
9084	9.3	K2	57 41.64	0.8732	121	59 38 39.6	5.385	125	+ 4	14	- 32	12	1775
9085	7.5	G5	57 43.33	0.9472	112	58 46 53.8	5.383	135	+ 27	13	- 28	10	1688
9086	9.2	K5	57 45.04	1.1811	88	55 44 37.2	5.380	168	+ 6	14	+ 6	12	1895
9087	6.2	A3	57 49.65	0.9583	111	58 38 45.3	5.374	137	- 36	14	- 7	12	1689
9089	8.8	F5	58 10.41	+1.1816	+ 87	55 43 24.2	-5.345	+168	+ 22	±16	- 22	±12	1896
9092	8.9	G5	58 39.75	0.9391	112	58 50 59.7	5.303	134	+ 12	14	+ 25	12	1691
9093	8.3	G5	58 52.33	1.0642	98	57 17 28.5	5.286	152	+ 1	14	+133	12	1726
9095	8.8	F2	59 5.65	1.2143	84	55 13 37.4	5.267	173	+ 10	14	- 39	12	1898
9096	8.9	G0	59 5.99	1.0728	97	57 10 10.2	5.267	153	+ 15	14	- 75	12	1727
9098	9.0	F5	59 19.35	+0.9460	+110	58 44 49.6	-5.248	+135	- 1	±16	- 10	±12	1692
9099	9.5	G	59 22.25	0.8898	117	59 24 17.7	5.244	127	+ 18	14	- 5	12	1778
9100	7.8	F5	59 32.74	0.9464	110	58 44 8.3	5.228	135	- 65	13	- 41	11	1693
9105	9.1	F0	0 28.19	0.8825	116	59 27 24.4	5.151	127	- 11	14	- 1	12	1779
9108	8.8	K2	0 34.15	1.1265	90	56 24 37.0	5.142	161	- 20	14	- 7	12	1938
9113	9.1	K5	1 13.98	+1.1398	+ 88	56 12 30.8	-5.086	+163	+ 18	±14	- 42	±12	1940
9114	9.4	G0	1 22.76	1.1386	88	56 13 11.4	5.074	163	+ 24	14	- 31	12	1941
9115	8.4	B9	1 24.96	1.0284	99	57 40 19.0	5.071	148	+ 36	14	+ 28	12	1729
9116	8.9	F8	1 26.27	1.1938	83	55 26 51.7	5.069	171					1903
9119	8.6	K0	1 35.07	0.8537	118	59 45 9.5	5.054	123	-333	12	+232	10	1783
9121	9.0	G5	1 37.88	+0.8867	+114	59 22 25.7	-5.052	+127	- 57	±14	- 40	±12	1782
9122	8.6	K0	1 43.43	1.1432	88	56 8 49.9	5.045	164	- 1	14	+ 11	12	1942
9123	9.5	G0	1 48.17	0.8397	119	59 54 6.4	5.038	120	+ 1	14	+ 38	12	1784
9127	9.0	G5	2 17.91	1.0774	93	57 0 47.5	4.996	155	+ 62	14	- 30	12	1730
9130	8.9	K0	2 45.72	1.0690	93	57 6 36.0	4.957	153	- 1	14	+ 49	12	1733
9131	7.1	K0	2 45.76	+1.0996	+ 90	56 42 21.9	-4.956	+157	- 16	±14	+ 11	±12	1943
9132	9.0	K2	2 59.96	0.8630	114	59 36 22.8	4.937	124	+ 4	14	- 30	12	1785
9134	7.0	K0	3 19.81	1.1285	87	56 18 2.4	4.908	162	- 47	14	+ 41	12	1944
9135	9.0	K	3 28.65	0.9248	107	58 52 43.5	4.896	132	+ 25	14	- 7	12	1697
9137	8.4	G5	3 57.96	0.9055	108	59 5 32.8	4.855	130	+ 8	14	+ 54	12	1787
9140	9.4		5 1.11	+0.8167	+116	60 4 3.6	-4.765	+118	+ 14	±15	- 13	±13	1736
9141	8.8	K5	5 2.14	0.8904	108	59 14 16.3	4.764	128	- 13	14	- 7	12	1789
9142	6.7	K0	5 9.41	0.9583	101	58 25 54.9	4.754	138	+ 42	15	- 34	11	1698
9143	9.1	K0	5 12.89	1.1180	86	56 23 22.7	4.749	161	+ 52	14	- 23	10	1948
9144	6.8	K0	5 23.97	1.1514	83	55 55 40.6	4.733	165	+ 1	16	+ 41	12	1912
9146	7.8	F5	5 30.86	+1.1218	+ 86	56 19 46.6	-4.723	+161	- 41	±14	+ 76	±12	1949
9154	9.2	K7	7 4.07	1.2088	77	55 4 6.0	4.591	173	+ 16	14	- 48	12	1914
9157	8.9	G5	7 39.68	1.0638	88	57 2 29.0	4.540	154	- 12	11	+ 23	9	1741
9159	9.0	A	7 44.42	0.8765	106	59 19 38.2	4.533	126	- 3	16	+ 9	12	1790
9160	9.1	F2	7 57.99	0.8859	105	59 12 47.3	4.514	128	+ 36	16	+ 7	12	1791
9162	9.5		8 33.48	+1.1719	+ 78	55 33 16.0	-4.464	+168	+ 6	±14	- 3	±12	1916
9163	9.0	G	8 37.55	1.1734	78	55 31 52.4	4.458	169	- 9	14	- 5	12	1917
9165	7.0	G5	8 53.06	1.0788	86	56 48 41.2	4.436	155	+ 23	13	- 92	12	1954
9166	9.3	G0	8 53.06	0.9315	99	58 39 22.9	4.436	134	+ 19	14	- 10	12	1704
9167	9.1	G5	9 19.20	0.9818	94	58 2 14.2	4.399	142	+ 10	16	+ 18	12	1706
9168	8.8	F5	9 26.06	+0.8855	+103	59 10 49.9	-4.389	+128	+ 15	±16	- 30	±12	1794
9170	9.2	F8	9 51.71	0.8821	102	59 12 36.5	4.352	127	- 22	14	+ 6	12	1795
9171	6.9	F5	9 52.64	0.9744	94	58 6 51.5	4.351	141	- 33	16	+ 55	12	1707
9172	7.2	B9	10 13.11	1.0332	88	57 22 13.6	4.322	149	+ 35	14	- 10	12	1742
9175	8.5	G5	10 22.65	1.1555	77	55 44 9.4	4.309	167	+ 54	14	- 39	12	1920

Epochs: Stars 9081 to 9100, 1916.45; stars 9105 to 9175, 1916.89

AG No	Magn. Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9178	9.3 F8	10 33.17	+0.9161 + 98	58 47 51.7	- 4.294 + 132	+.037 ± 14	-.009 ± 12	1708
9179	9.3 K5	10 44.27	0.9263 97	58 40 18.3	4.278 134	+ 24 14	- 13 12	1709
9180	9.2 Mc	10 49.12	0.9811 92	58 0 27.1	4.271 142	+ 5 16	- 11 12	1710
9182	7.6 F5	11 5.00	1.1628 76	55 37 3.7	4.248 168	- 32 14	+ 59 12	1921
9186	8.3 F8	11 30.59	0.9250 96	58 40 8.2	4.212 134	+ 1 14	- 43 12	1711
9188*	7.6 F2	11 47.30	+1.1136 + 80	56 16 31.4	- 4.188 + 161	- 4 ± 14	+ 9 ± 12	1959
9189	9.0 F5	12 19.10	0.9880 89	57 53 9.7	4.142 143	- 6 14	- 47 12	1744
9190	9.0 G5	12 29.05	0.9867 89	57 53 57.5	4.128 143	+ 22 14	- 11 12	1745
9191	7.5 F2	12 46.40	0.9349 93	58 31 21.2	4.103 135	- 10 16	+ 51 12	1713
9193	9.0 K0	13 2.97	1.0033 87	57 40 45.0	4.080 145	+ 73 14	- 5 12	1746
9194	8.7 K5	13 24.23	+0.8636 + 99	59 20 17.8	- 4.049 + 125	- 10 ± 14	+ 14 ± 12	1800
9195	8.4 A0	13 28.50	1.1150 78	56 12 55.2	4.044 161	+ 56 16	- 59 12	1963
9199	9.2 G5	14 23.57	0.9861 87	57 51 39.6	3.964 143	- 17 14	- 47 12	1747
9204	8.0 K0	15 1.06	1.1863 71	55 11 21.0	3.911 171	- 41 14	- 76 12	1928
9206	9.3 F2	15 20.83	1.0105 84	57 32 9.9	3.883 146	+ 29 14	- 19 12	1748
9209	9.1 F8	15 43.14	+0.9679 + 87	58 3 18.6	- 3.851 + 140	+ 25 ± 14	- 75 ± 10	1716
9214	8.7 F0	16 33.27	0.9308 88	58 29 10.1	3.779 135	+ 17 14	+ 27 12	1718
9218	8.2 G5	17 11.11	1.1020 75	56 18 19.9	3.725 160	+ 76 16	- 33 12	1971
9219	9.5 F0	17 15.13	1.1139 74	56 8 35.6	3.719 161	+ 15 14	- 31 12	1972
9220	9.2 K0	17 26.46	0.9601 85	58 6 51.9	3.703 140	+ 41 15	+ 10 11	1719
9223	7.5 A2	17 45.42	+1.1194 + 73	56 3 33.2	- 3.676 + 162	+ 20 ± 14	- 3 ± 12	1974
9226	9.5	18 13.50	0.8641 91	59 13 46.1	3.635 125	- 12 14	+ 6 12	1802
9227	8.6 F8	18 20.57	0.9598 84	58 5 53.8	3.626 139	+ 133 14	- 57 12	1721
9232	8.4 A2	18 39.59	0.8552 91	59 19 16.5	3.598 124	+ 9 14	- 20 12	1804
9233	8.5 A3	18 42.70	1.1895 67	55 3 39.2	3.593 172	- 10 14	+ 19 12	1933
9238	9.0 G5	19 24.84	+1.0656 + 75	56 44 28.7	- 3.533 + 155	+ 26 ± 14	- 1 ± 12	1975
9241	8.2 A2	19 48.45	1.0646 74	56 44 48.4	3.499 154	+ 51 16	- 26 12	1977
9245	8.6 M0	20 43.57	0.9469 81	58 12 27.1	3.420 137	+ 65 14	- 37 12	1724
9247	9.1 K5	20 49.59	0.9179 84	58 33 9.2	3.411 133	+ 26 14	- 22 12	1725
9248	6.3 A2	21 13.02	1.0332 75	57 7 31.3	3.378 150	+ 17 14	- 4 12	1758
9250	9.3 A7	21 23.44	+0.8407 + 89	59 25 55.1	- 3.363 + 122	+ 12 ± 14	- 33 ± 12	1807
9252	8.2 K0	21 32.39	1.1620 66	55 23 31.7	3.350 169	+ 21 16	- 43 12	1936
9256	9.2 G5	22 8.71	0.8371 88	59 27 32.1	3.297 122	- 3 14	- 31 12	1808
9259	8.3 K2	22 14.64	0.9695 78	57 54 11.0	3.289 141	+ 53 15	- 42 11	1760
9260	8.8 F5	22 21.14	0.8936 83	58 48 34.2	3.280 130	+ 21 16	- 5 12	1726
9261	9.2 K7	22 26.94	+0.8361 + 87	59 27 50.7	- 3.271 + 122	- 23 ± 13	- 37 ± 11	1810
9266	9.4 K5	22 41.53	0.8535 86	59 15 49.7	3.250 125	+ 15 13	- 20 11	1811
9267	9.1 G0	22 48.95	1.0729 70	56 34 43.5	3.240 156	+ 38 14	- 35 12	1982
9273	8.6 M0	23 39.35	1.1268 66	55 50 20.5	3.167 164	- 18 14	+ 18 11	1937
9274	9.0 F5	23 42.47	0.9668 76	57 54 36.1	3.163 140	+ 54 14	- 9 12	1762
9275	9.5 F8	23 55.09	+0.8426 + 84	59 21 54.2	- 3.144 + 122	- 34 ± 14	- 61 ± 12	1812
9276	8.6 F0	23 55.52	0.9511 77	58 5 52.6	3.144 138	+ 17 14	- 14 12	1730
9277*	6.0 A2	24 4.52	0.7707 89	60 9 14.0	3.131 112	- 16 14	+ 12 12	1754
9278	6.5 A2	24 12.50	0.8952 80	58 45 25.1	3.119 130	+ 3 14	+ 1 12	1731
9280*	8.5 G0	24 24.87	1.0800 68	56 27 21.2	3.101 157	- 23 14	+ 63 12	1984
9283	8.3 K0	24 40.01	+0.8611 + 82	59 8 33.5	- 3.080 + 125	+ 15 ± 12	- 17 ± 10	1813
9284	8.8 K2	24 44.95	1.1513 64	55 28 53.3	3.072 167	+ 1 13	- 4 10	1939
9286	9.2 A7	24 51.28	1.0203 71	57 13 20.6	3.063 148	- 5 14	- 30 12	1764
9287	9.2 G5	24 52.78	1.0066 72	57 23 40.1	3.061 146	+ 15 15	- 10 11	1765
9288	8.4 G0	24 58.91	0.9642 75	57 55 11.6	3.053 140	+ 33 16	- 17 12	1766

9188 = BDS 7936: 8.2, 8.5, 0".3. 9277 = PGC 4432. 9280 = BDS 13377: 8.6, 11.4, 0".5.

Epoch of observation, 1916.89

174206

17h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9289	9.2 B8	25 1.45	+0.7971 + 86	59 51 8.0	- 3.049 + 116	+.027 ± 13	-.009 ± 11	1814
9290	9.1 F8	25 4.68	1.0775 68	56 28 35.6	3.045 157	+ 60 14	+ 16 12	1985
9296	9.0 G0	25 24.39	0.9310 76	58 18 50.3	3.015 135	- 39 14	+ 52 12	1732
9297*	9.0 G5	25 36.74	1.0929 66	56 15 43.7	2.998 159	+ 28 14	- 18 12	1986
9298	8.0 F0	25 37.16	0.9883 72	57 36 39.7	2.997 144	- 57 15	+ 7 13	1767
9299	8.8 G5	25 52.59	+1.0734 + 67	56 31 0.4	- 2.975 + 156	+ 23 ± 14	- 7 ± 12	1987
9301	9.5 K5	26 14.75	1.1336 63	55 41 56.7	2.943 165	0 12	- 11 10	1940
9302	9.5 K0	26 15.69	1.1311 63	55 44 0.2	2.942 165	+ 12 14	+ 22 12	1941
9303	9.3 G0	26 15.99	1.0467 68	56 51 32.6	2.941 153	+ 20 14	- 19 12	1988
9304	7.7 G5	26 23.49	1.0192 69	57 12 34.7	2.930 148	- 16 13	- 43 11	1769
9305	9.1 M0	26 48.46	+1.1222 + 63	55 50 43.8	- 2.895 + 164	+ 36 ± 15	- 5 ± 13	1943
9306	8.1 G0	26 51.40	0.8588 79	59 7 57.8	2.890 125	+ 58 16	- 7 14	1819
9309	9.1	27 35.44	0.7780 83	60 1 6.2	2.826 114	- 36 13	- 33 11	1759
9310	9.0 A7	27 39.20	0.7851 82	59 56 27.5	2.821 115	- 33 15	+ 3 13	1821
9311	8.9 K5	27 41.93	0.9883 69	57 34 38.8	2.817 144	+ 10 14	+ 45 12	1771
9314	8.2 K0	28 20.87	+0.7985 + 80	59 46 58.8	- 2.761 + 117	+ 30 ± 16	- 55 ± 12	1823
9318	9.3 K5	28 40.57	0.9063 73	58 33 13.6	2.732 132	- 3 16	- 3 12	1733
9319	8.8 K2	28 40.91	1.1062 62	56 1 55.8	2.732 161	- 8 14	+ 4 12	1990
9321	5.9 K2	28 43.60	0.9551 70	57 58 7.4	2.728 139	+ 20 14	- 30 12	1774
9322	9.3 A3	28 57.44	0.9152 72	58 26 39.7	2.708 134	+ 25 16	+ 13 12	1734
9326	9.0 F5	29 34.38	+1.0789 + 62	56 23 0.9	- 2.655 + 157	- 11 ± 14	- 14 ± 12	1991
9328	8.2 K0	29 42.93	1.0309 65	57 0 27.0	2.643 150	+ 68 14	- 29 11	1775
9329*	4.7 A5	29 43.80	1.1604 58	55 16 15.3	2.642 169			1944
9330*	4.7 A5	29 49.17	1.1611 58	55 15 33.8	2.635 169			1945
9331	9.0 F5	29 50.41	1.0104 66	57 15 59.1	2.632 147	+ 9 13	- 13 10	1776
9332	9.4 G5	29 57.25	+0.8720 + 73	58 56 3.0	- 2.622 + 127	- 12 ± 13	+ 1 ± 10	1736
9333	8.8	29 58.87	0.7749 79	60 0 58.1	2.619 113	+ 17 15	- 28 13	1761
9334	8.9 A	30 1.99	0.9876 67	57 33 0.4	2.615 144	+ 4 17	+ 10 14	1778
9335	9.3 K0	30 6.63	0.8726 73	58 55 27.9	2.608 127	- 33 14	- 14 12	1737
9338	8.7 K0	30 33.71	1.0408 63	56 51 59.2	2.569 151	- 34 13	- 103 11	1992
9339	9.2 K2	30 37.81	+0.9065 + 70	58 31 22.7	- 2.563 + 132	- 15 ± 16	+ 3 ± 12	1738
9340	8.7 F8	30 56.98	1.1537 57	55 20 49.2	2.535 168	- 39 14	+ 118 12	1948
9344	8.7 K0	31 12.73	1.0488 62	56 45 12.7	2.512 153	- 39 14	- 9 12	1993
9345	9.2 K0	31 17.33	0.9684 66	57 46 5.5	2.506 142	+ 37 16	- 3 12	1779
9346	8.9 K2	31 21.36	0.7828 76	59 54 40.9	2.500 114	+ 36 14	- 31 12	1827
9347	6.3 F2	31 28.85	+0.9785 + 65	57 38 30.8	- 2.490 + 143	+ 37 ± 14	+ 26 ± 12	1780
9349	8.6 A	31 58.27	0.8758 70	58 51 42.2	2.447 128	+ 1 14	- 2 12	1739
9350	9.2 A7	32 10.96	0.9013 68	58 33 43.7	2.428 131	+ 11 16	+ 25 12	1740
9351	9.2 G5	32 32.06	0.8373 71	59 17 39.0	2.398 122	+ 66 14	+ 3 12	1829
9358	9.0 G0	32 45.58	0.8923 68	58 39 35.9	2.378 130	+ 41 14	+ 8 12	1741
9359	8.6 A0	32 49.54	+1.1705 + 54	55 4 55.1	- 2.373 + 170	+ 42 ± 14	- 14 ± 12	1953
9363	9.1 K2	33 10.72	1.1016 57	56 1 37.6	2.342 161	+ 13 14	- 51 12	1997
9366	8.8 K0	34 3.16	1.0446 59	56 46 12.3	2.266 153	+ 17 14	- 13 12	1999
9367	9.1 F5	34 3.34	1.1718 53	55 2 52.8	2.265 171	- 5 14	+ 39 12	1957
9369	9.4 G0	34 19.34	1.1422 54	55 27 28.6	2.242 166	+ 16 14	- 14 12	1958
9373	7.0 K0	34 54.95	+1.1159 + 54	55 48 45.7	- 2.190 + 163	- 51 ± 14	+ 35 ± 12	1960
9374	8.5 G0	35 1.24	0.8089 69	59 34 38.8	2.181 118	- 42 15	- 90 11	1830
9382	9.0 K0	35 56.00	0.8413 66	59 12 23.4	2.102 123	+ 25 16	- 25 12	1831
9384	8.4 G0	36 27.73	1.0287 56	56 56 39.8	2.056 150	+ 38 14	- 39 12	2003
9387	9.2 K7	36 33.10	1.1281 52	55 37 29.1	2.048 164	- 16 14	+ 11 12	1962

9297 = BDS 13379: 9.7, 9.9, d'2.

9329 = PGC 4458.

9330 = PGC 4460.

Epoch of observation, 1916.89

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9388	8.6	36 34.44	+0.7611 +69	60 4 50.1	-2.046 +111	-.037 ±15	-.083 ±13	1769
9389	9.3 A7	37 0.27	1.0883 53	56 9 29.8	2.009 158	+ 23 13	+ 9 11	2005
9392	9.1 G5	37 31.85	0.9172 60	58 18 30.6	1.964 134	+ 78 14	- 41 12	1744
9393	8.8 F8	37 34.34	1.0890 53	56 8 35.4	1.959 158	- 22 14	+ 15 12	2006
9394	8.3 K2	37 44.97	0.8693 62	58 52 2.0	1.944 127	+ 37 14	+ 29 12	1745
9398	8.6 K7	37 47.11	+0.7935 +65	59 43 3.4	-1.941 +116	+ 42 ±13	- 10 ±11	1832
9399	7.5 K2	37 48.85	1.0281 55	56 56 10.4	1.938 150	- 50 14	- 70 12	2007
9402	8.0 F5	37 57.29	0.9859 56	57 28 5.6	1.926 144	+ 2 14	- 28 12	1788
9403	9.0 F0	37 58.61	0.9773 61	58 46 20.1	1.924 128	+ 10 16	- 4 12	1746
9404	8.9 A	38 0.00	0.8407 63	59 11 20.6	1.922 122	+ 14 16	- 33 12	1833
9407	9.2 G5	38 11.19	+0.9545 +57	57 51 10.2	-1.906 +140			1789
9411	9.2 A3	38 29.85	1.0344 54	56 50 56.2	1.879 151	+ 60 ±14	- 16 ±12	2008
9412	7.7 K2	38 31.60	0.9487 57	57 55 11.2	1.877 139	+ 36 16	- 28 12	1790
9413	6.9 K0	38 31.71	0.9932 55	57 22 18.1	1.876 145	- 11 15	+ 16 11	1791
9414	8.6 G5	38 45.39	0.9830 56	57 29 46.1	1.856 144	+ 25 14	- 3 12	1793
9417	8.9	38 59.15	+0.7635 +65	60 1 48.2	-1.836 +112	- 32 ±15	- 49 ±13	1774
9423	7.6 K0	39 39.49	1.0886 51	56 7 28.1	1.777 159	- 34 14	- 7 12	2010
9428	8.5 K0	40 24.12	1.1206 49	55 41 4.4	1.713 163	+ 20 14	- 2 12	1969
9430	9.1 G0	40 51.68	1.1540 47	55 13 8.9	1.673 169	+ 42 14	- 18 12	1970
9431	8.1 K0	41 0.95	0.8771 57	58 44 33.0	1.660 128	+ 78 16	-140 12	1749
9435	9.1 F8	41 26.43	+0.8607 +57	58 55 43.0	-1.622 +126	+ 7 ±16	- 9 ±12	1750
9436	8.6 F8	41 33.63	1.1541 46	55 12 38.1	1.612 169	+ 12 14	+ 61 12	1971
9438	9.2 G0	41 44.62	0.7732 60	59 54 2.9	1.596 113	+ 57 16	+ 70 12	1838
9440	8.0 F8	41 52.64	1.0778 48	56 14 46.9	1.584 157	- 33 14	- 63 12	2014
9442	8.7 F8	42 0.88	1.1108 47	55 48 11.9	1.572 162	+ 26 16	+ 8 12	1972
9445	9.4 F5	42 16.25	+0.8605 +55	58 55 26.4	-1.550 +126	+ 9 ±14	+ 17 ±12	1751
9446	8.7 G5	42 19.26	1.0069 50	57 9 37.2	1.546 147	+ 51 16	- 96 11	1798
9451	8.4 K5	43 18.68	0.7722 57	59 53 50.3	1.459 113	- 4 16	- 11 12	1840
9453	9.2 F8	43 32.38	1.0627 47	56 25 55.0	1.439 155	+ 20 14	- 27 12	2017
9454	9.0 G0	43 41.24	1.0902 46	56 3 58.9	1.426 159	- 18 14	- 49 12	2018
9455	8.4 G0	43 45.83	+1.1261 +45	55 34 47.9	-1.419 +164	- 65 ±16	+ 17 ±12	1975
9456	9.1 K5	43 48.41	0.8225 54	59 20 25.5	1.416 120	+ 8 14	- 23 12	1841
9458	8.7 K0	44 19.05	0.9680 49	57 37 48.8	1.371 141	+ 21 14	- 24 12	1800
9459	8.9 K	44 23.03	0.8110 54	59 27 54.0	1.366 118	+ 14 12	- 24 10	1842
9461	8.4 A2	44 27.25	1.0810 45	56 10 59.8	1.359 158	+ 12 14	+ 7 12	2020
9462	9.0 F8	44 33.84	+1.1537 +43	55 11 25.2	-1.350 +168	- 11 ±16	0 ±12	1977
9463	9.0 A	44 49.05	0.9775 48	57 30 30.8	1.328 143	+ 2 16	- 26 14	1803
9466	8.3 K2	45 1.30	0.8796 50	58 40 52.7	1.310 129	+ 36 13	- 16 10	1755
9467	8.0 K0	45 17.80	0.8258 52	59 17 37.7	1.286 121	- 20 12	+ 80 10	1843
9468	8.5 K0	45 40.09	1.0675 44	56 21 9.0	1.253 156	- 36 14	- 10 12	2021
9469	8.8 G5	45 51.32	+1.0053 +46	57 9 9.9	-1.237 +147	+ 53 ±14	- 84 ±12	1806
9470	8.3 F8	45 51.62	1.1644 41	55 1 48.5	1.236 170	- 16 14	+ 35 12	1980
9471	9.2 F2	45 55.87	1.1413 42	55 21 6.5	1.231 166	+ 32 16	- 21 12	1981
9472	8.7 K0	46 4.42	0.7732 52	59 51 56.5	1.218 113	- 1 16	- 70 12	1844
9474	9.2 F8	46 22.61	1.1482 41	55 15 10.8	1.192 167	+ 24 16	+ 23 12	1984
9476	9.3 K2	46 26.72	+0.8022 +51	59 32 52.2	-1.185 +117	- 27 ±14	+ 10 ±12	1846
9478	8.5 K2	46 32.06	0.8879 48	58 34 28.5	1.178 130	+ 8 14	- 38 12	1762
9480	8.5 F2	47 16.74	0.7669 50	59 55 36.2	1.113 112	+ 27 16	- 32 12	1849
9481	6.9 K5	47 25.33	1.0274 43	56 51 44.0	1.100 150	- 17 14	+ 16 12	2024
9483	9.2 G5	48 2.55	1.0001 43	57 12 20.2	1.046 146	+ 21 16	- 7 11	1812

Epochs: Stars 9388 to 9423, 1916.89; stars 9428 to 9483, 1916.98

17h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9488	9.5 K	48 18.80	+0.8485 + 46	59 1 4.7	- 1.022 + 124	+.003 ± 16	-.032 ± 12	1850
9489	7.5 F0	48 23.97	0.8436 46	59 4 22.3	1.015 123	+ 29 16	+ 1 12	1851
9490	7.5 B9	48 28.90	0.9783 43	57 28 30.0	1.008 143	+ 32 16	+ 9 12	1813
9491	8.6 K2	48 31.18	0.9053 45	58 21 29.2	1.004 132	+ 20 14	- 30 12	1767
9492	9.1 G5	48 33.29	1.0682 41	56 19 26.0	1.001 156	- 17 14	- 14 12	2025
9494	8.5 F8	49 10.42	+1.1457 + 38	55 16 16.2	- 0.947 + 167	+ 22 ± 14	- 17 ± 12	1989
9496	8.9 G5	49 20.74	0.9606 42	57 41 20.9	0.932 140	+ 17 16	+ 36 12	1814
9497	7.1 A3	49 29.17	1.0811 39	56 8 55.4	0.920 158	+ 8 14	- 3 12	2028
9498	8.1 A2	49 31.92	1.0442 40	56 37 58.1	0.916 152	- 5 14	+ 3 12	2029
9499	8.5 G5	49 38.89	1.1593 38	55 4 42.6	0.905 169	- 9 14	+ 2 12	1990
9500	9.1 A	49 43.40	+0.7896 + 46	59 40 4.9	- 0.899 + 115	+ 21 ± 15	+ 60 ± 11	1853
9502	9.3 A	49 44.34	0.7895 46	59 40 9.9	0.897 115	- 43 13	+ 65 11	
9506	9.3 K0	50 29.91	0.8279 44	59 14 20.3	0.832 121	+ 29 14	- 17 12	1855
9508	9.4 K5	50 37.47	0.9186 41	58 11 23.9	0.820 135	+ 12 14	- 7 12	1770
9514	9.2 A3	51 14.26	1.0690 38	56 18 3.4	0.767 156	+ 16 14	+ 28 12	2031
9517*	3.3 K0	51 22.73	+1.0234 + 39	56 53 37.7	- 0.755 + 150			2033
9519	8.0 K	51 28.18	0.7603 43	59 58 38.1	0.746 111	+ 16 ± 14	+ 25 ± 12	1859
9520	8.1 G5	51 28.51	1.0606 38	56 24 42.3	0.745 154	- 45 14	+120 12	2034
9525	9.2 G5	51 57.13	1.0317 38	56 47 0.5	0.704 150	- 25 14	- 9 12	2036
9527	9.5 G	52 9.86	1.0969 36	55 55 28.8	0.685 160	- 51 14	+ 28 12	1994
9528	9.1 K2	52 13.11	+1.0196 + 37	56 56 18.0	- 0.680 + 149	- 47 ± 14	+ 14 ± 12	2037
9532	8.6 K0	52 48.99	0.7659 41	59 54 43.2	0.629 112	+ 7 16	+ 1 11	1861
9533	9.0 K0	52 59.46	0.7703 41	59 51 52.9	0.613 113	- 14 16	+ 16 11	1862
9534	8.9 G0	53 4.99	1.0834 35	56 6 11.5	0.605 158	- 13 14	+ 32 12	2038
9535	6.0 F0	53 6.67	1.0922 35	55 59 9.7	0.603 159	+ 66 14	+123 12	1995
9536	8.7 A5	53 15.43	+0.8689 + 39	58 45 47.3	- 0.590 + 127	+ 43 ± 14	+ 28 ± 12	1772
9537	8.5 K2	53 22.47	1.1132 35	55 41 59.0	0.580 162	- 3 14	+ 22 12	1996
9539	8.6 G0	53 38.74	1.1482 34	55 13 0.9	0.556 168	+ 36 16	+ 33 12	1997
9540	8.6 K0	53 38.90	1.0874 35	56 2 54.0	0.556 159	+ 41 14	+116 12	2041
9549	9.0	54 20.24	0.7571 39	60 0 7.1	0.496 111	+ 11 15	+ 2 13	1794
9552	8.8 K2	54 33.91	+1.0223 + 34	56 53 44.6	- 0.475 + 149	- 35 ± 14	- 23 ± 12	2042
9556	9.4 F8	55 17.44	0.9235 35	58 6 56.9	0.412 135	+ 3 14	- 17 12	1773
9559	8.8 K2	55 28.89	0.8445 36	59 2 8.2	0.395 124	- 1 14	+ 39 12	1866
9561	8.5 G5	55 56.78	1.1545 31	55 7 18.2	0.355 169	+ 51 14	+ 14 12	2001
9567	9.4	56 50.01	0.7433 34	60 8 37.5	0.277 108	- 12 15	- 11 13	1797
9568	8.6 K2	57 2.79	+1.0329 + 31	56 45 15.1	- 0.258 + 151	- 22 ± 12	- 13 ± 10	2044
9569	8.8 K0	57 7.12	1.1130 31	55 41 35.4	0.252 162	+ 13 14	- 26 12	2002
9572	9.0 G0	57 11.45	1.1600 30	55 2 33.9	0.246 170	+ 9 14	- 1 12	2003
9573	9.2 K0	57 15.55	1.0345 31	56 43 58.1	0.240 151	+ 2 14	+ 8 12	2045
9575	9.3 A5	57 23.79	0.7577 33	59 59 23.4	0.228 110	+ 17 14	+ 17 12	1869
9576	7.6 K2	57 23.95	+0.8677 + 32	58 45 59.1	- 0.228 + 127	+ 31 ± 14	- 24 ± 12	1776
9578	8.7 K2	57 59.36	1.0173 30	56 57 12.9	0.176 149	- 13 14	+ 30 12	2048
9579	8.8 G5	58 1.13	0.8320 32	59 10 21.6	0.174 122	+ 43 14	- 20 12	1870
9581	9.2 F2	58 5.88	1.0439 30	56 36 37.2	0.166 152	- 22 14	+ 20 12	2050
9582	9.5 K0	58 19.97	1.1340 29	55 24 14.7	0.146 166	+ 13 16	- 26 14	2006
9583	9.0 F0	58 20.23	+0.9802 + 30	57 25 11.1	- 0.146 + 143	+ 33 ± 13	+ 13 ± 10	1831
9584	8.9 K0	58 20.87	1.0557 30	56 27 25.4	0.145 154	+ 66 16	+ 18 14	2051
9586	8.0 K5	58 22.52	0.9856 30	57 21 5.8	0.142 144	- 20 14	- 55 12	1832
9587	8.3 A0	58 27.41	0.8001 31	59 31 40.0	0.135 117	+ 38 14	- 1 12	1871
9588	8.6 G0	58 28.34	1.1307 29	55 26 56.1	0.134 165	- 6 14	+ 15 12	2007

9517 = PGC 4531.

Epoch of observation, 1916.98

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9592	9.0 G5	58 48.70	+ 1.1184 + 29	55 37 4.0	− 0.104 + 163	+.018 ± 16	+.012 ± 12	2008
9593	9.0 A0	58 56.76	1.1562 28	55 5 40.5	0.093 169	+ 36 14	− 13 12	2009
9595	8.4 K2	59 6.86	1.1057 28	55 47 26.9	0.078 161	+ 42 14	− 18 12	2011
9596	8.0 K0	59 7.35	1.0162 29	56 58 0.4	0.077 148	+ 16 13	+ 26 10	2052
9599	8.7 A7	59 34.47	1.1326 28	55 25 19.0	− 0.037 165	+ 24 14	− 1 12	2012
9605	6.0 A2	0 40.74	+ 0.8801 + 27	58 37 18.5	+ 0.059 + 128	− 3 ± 16	+ 26 ± 12	1781
9606	8.0 A0	0 40.70	1.0584 27	56 25 17.9	0.059 154	− 15 13	+ 60 11	2060
9608	8.8 K5	0 55.27	1.0062 27	57 5 34.4	0.081 147	− 33 16	− 19 12	1835
9610	9.0 F5	1 10.76	1.1505 26	55 10 28.1	0.103 167	+ 20 14	+ 13 12	2017
9611	7.4 K5	1 13.83	1.0193 26	56 55 36.7	0.108 149	+ 5 16	+ 1 12	2062
9615	6.8 F8	1 37.94	+ 1.1437 + 26	55 16 2.3	+ 0.143 + 166	− 37 ± 14	− 144 ± 12	2019
9617	7.8 K5	2 0.50	0.7451 25	60 7 23.0	0.176 108	− 35 15	− 11 13	1804
9619	9.1 G5	2 2.88	1.1072 25	55 46 12.7	0.179 161	− 13 14	− 59 12	2022
9620	8.7 K2	2 6.62	0.8721 25	58 42 54.5	0.184 127	+ 28 14	− 8 12	1783
9622	9.0 K2	2 25.66	1.0954 25	55 55 52.8	0.212 160	+ 46 15	− 11 11	2024
9623	9.3 K7	2 29.66	+ 0.8585 + 25	58 52 20.3	+ 0.218 + 125	+ 1 ± 14	− 4 ± 12	1784
9624	9.0 K2	2 40.59	1.0292 24	56 48 8.6	0.234 150	− 2 14	+ 52 12	2064
9625	9.3 A7	2 41.28	0.9003 24	58 23 13.0	0.235 131	+ 40 14	+ 6 12	1785
9627	9.3	2 54.19	0.7510 24	60 3 43.2	0.254 109	− 44 16	+ 12 13	1805
9628	7.1 F8	2 56.30	1.1564 24	55 5 36.0	0.257 168	+ 20 14	− 21 12	2025
9630	9.3 A3	3 2.34	+ 0.7892 + 24	59 38 58.5	+ 0.266 + 114	− 9 ± 14	+ 1 ± 12	1875
9635	7.3 K5	3 56.46	0.9867 23	57 20 34.4	0.345 144	+ 24 14	+ 60 12	1837
9638	9.3 F8	4 46.66	0.9176 21	58 11 9.7	0.418 134	0 14	− 54 12	1787
9642	8.8 K7	4 52.23	0.9545 21	57 44 26.6	0.426 139	− 23 16	− 16 12	1838
9643	8.9 K0	4 53.34	1.0841 22	56 5 10.7	0.428 158	+ 5 16	− 3 12	2067
9648	8.4 K0	5 20.24	+ 1.0313 + 21	56 46 51.3	+ 0.467 + 150	+ 48 ± 14	+ 58 ± 12	2068
9651	9.3 G5	5 35.16	0.8246 20	59 15 47.0	0.489 120	− 1 14	+ 82 12	1877
9653	7.6 G5	5 50.02	0.8522 20	58 57 8.1	0.510 124	+ 19 13	+ 135 11	1789
9657	7.6 A0	6 11.77	0.8480 19	58 59 58.1	0.542 123	+ 25 13	− 7 11	1791
9658	9.3 A2	6 37.28	0.8976 19	58 25 38.4	0.579 130	+ 13 14	− 9 12	1792
9659	8.5 F0	6 37.26	+ 1.1391 + 20	55 20 33.9	+ 0.579 + 166	+ 8 ± 14	− 33 ± 12	2033
9660	6.9 K5	6 41.97	0.9372 19	57 57 23.6	0.587 136	− 62 16	+ 6 12	1840
9663	8.6 K2	6 57.89	1.0890 19	56 1 37.1	0.609 159	+ 9 14	− 7 12	2070
9664	9.0 G0	7 15.17	1.1635 20	55 0 18.5	0.634 169	+ 24 14	+ 81 12	2034
9668	9.2 F0	7 36.94	1.0559 19	56 28 1.9	0.666 154	+ 32 14	− 16 12	2071
9670	8.3 A2	7 40.74	+ 0.7834 + 16	59 43 27.7	+ 0.671 + 114	+ 68 ± 14	+ 43 ± 12	1879
9674*	7.4 K2	7 48.95	1.0734 18	56 14 20.6	0.683 156	+ 46 16	+ 27 12	2072
9675	9.4 F5	7 49.37	0.9575 17	57 42 48.1	0.684 139	+ 12 14	− 15 12	1843
9681	9.0	8 32.96	0.7505 14	60 4 56.7	0.748 109	+ 19 16	− 4 13	1812
9682	9.3 K2	8 42.60	0.9778 16	57 28 4.4	0.762 142	+ 26 16	− 14 12	1845
9684	9.0 M2	8 47.93	+ 0.9970 + 17	57 13 41.7	+ 0.770 + 145	+ 8 ± 14	+ 8 ± 10	1846
9685	9.1 G5	8 53.58	1.1227 18	55 34 43.9	0.778 163	+ 17 14	+ 16 12	2037
9689	9.2 K0	9 59.37	1.0735 16	56 14 45.3	0.874 156	+ 26 14	− 29 12	2076
9692	8.9 K7	10 7.63	1.0359 15	56 44 20.1	0.886 151	− 3 14	+ 12 12	2077
9693	9.0	10 16.34	0.7484 11	60 6 50.6	0.898 108	+ 18 16	+ 134 14	1815
9694	8.9 F5	10 19.74	+ 1.0974 + 16	55 55 46.5	+ 0.903 + 160	+ 27 ± 14	− 37 ± 12	2038
9695	9.4 F0	10 26.90	1.1118 16	55 44 7.5	0.914 162	+ 11 16	− 12 12	2040
9697	8.9 G5	11 10.07	0.9533 13	57 46 48.9	0.977 139	+ 1 14	− 14 12	1851
9698	9.2 F2	11 10.91	0.8787 12	58 40 4.3	0.978 127	+ 2 12	− 37 10	1797
9699	8.7 M0	11 44.40	1.0382 14	56 43 3.2	1.027 151	+ 15 13	+ 6 11	2078

9674 = PGC 4608. Epochs: Stars 9592 to 9599, 1916.98; stars 9605 to 9699, 1917.50

18h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9706	9.2 G0	12 26.41	+1.0047 + 12	57 9 6.8	+1.088 + 146	-.046 ± 12	+.123 ± 10	1853
9707*	7.4 F0	12 29.70	1.0518 13	56 32 47.0	1.093 153	- 41 14	+ 24 12	2080
9708	7.7 A0	12 51.65	0.9393 10	57 57 38.5	1.125 136	- 44 15	- 14 13	1855
9711	8.6 K0	13 17.38	0.9937 11	57 17 36.7	1.162 144	+ 2 14	- 49 12	1856
9712	8.8 A7	13 22.64	1.1412 13	55 20 57.0	1.170 166	+ 3 14	- 29 12	2044
9713	7.5 A0	13 22.97	+1.0292 + 11	56 50 37.2	+1.170 + 150	- 2 ± 14	- 38 ± 12	2081
9714	8.6 K2	13 30.84	1.1146 13	55 42 55.2	1.182 162	- 13 16	- 24 12	2045
9716	8.7 G5	13 39.08	0.7808 6	59 46 58.1	1.195 113	-129 14	+ 9 12	1884
9717	9.3	13 41.27	0.7798 6	59 47 39.4	1.197 113	+ 34 14	+ 3 12	——
9720	8.8 G5	13 43.82	0.8720 8	58 45 37.6	1.201 126	- 10 14	- 23 12	1799
9721	9.2	13 45.72	+0.7464 + 5	60 9 10.6	+1.203 + 108	+ 8 ± 15	- 23 ± 13	1817
9722	8.8 F0	13 51.10	0.7734 6	59 51 50.8	1.211 112	+ 57 12	+ 16 10	1885
9723	8.5 F2	14 22.87	1.1203 12	55 38 35.5	1.258 163	- 39 16	- 43 12	2047
9726	8.7 F2	14 33.41	1.1529 12	55 11 39.2	1.273 167	+ 11 15	+ 6 11	2048
9727	9.3 G5	14 44.79	0.7694 4	59 54 46.7	1.289 111	+ 16 14	- 24 12	1886
9728	7.9 A2	15 7.26	+1.1379 + 11	55 24 24.7	+1.322 + 165	+ 34 ± 16	- 20 ± 12	2049
9729	8.8 K5	15 8.76	1.0331 9	56 48 23.6	1.324 150	+ 14 14	- 36 12	2083
9730	9.0 K0	15 11.90	0.7758 3	59 50 50.8	1.329 112	+ 17 12	- 12 10	1887
9731	9.2 F2	15 17.27	1.1588 12	55 7 1.7	1.336 168	+ 15 16	- 1 12	2051
9733	9.3 K0	15 27.94	0.8565 5	58 57 3.5	1.352 124	+ 27 14	- 34 12	1800
9738	7.7 K0	15 57.05	+0.9511 + 6	57 50 22.8	+1.395 + 138	- 20 ± 14	- 18 ± 12	1857
9740	9.0 A5	15 59.40	1.1393 10	55 23 40.8	1.398 165	+ 1 14	- 26 12	2053
9741	9.1 A0	16 9.99	0.9356 6	58 1 43.7	1.413 136	+ 2 14	+ 1 12	1801
9742	9.1 K0	16 30.45	0.9812 6	57 28 26.7	1.443 142	+ 12 16	- 20 12	1858
9743	7.6 K0	16 36.19	0.9420 5	57 57 19.7	1.452 136	- 16 14	- 18 10	1859
9744	8.0 K5	16 51.84	+1.1295 + 9	55 32 17.2	+1.474 + 164	+ 6 ± 14	+ 11 ± 12	2054
9745	9.1 F5	16 55.09	1.0866 8	56 7 7.2	1.479 158	+ 51 14	- 29 12	2085
9747	9.1 K5	17 11.92	0.8161 1	59 25 14.1	1.503 118			1889
9748	9.1 G0	17 40.42	0.9937 5	57 19 35.7	1.545 144	+ 29 12	-110 10	1862
9749	9.0 G5	17 41.36	1.1190 8	55 41 22.7	1.546 162	- 11 16	+ 18 12	2056
9750	9.1 F2	17 43.51	+0.8960 + 3	58 30 46.5	+1.549 + 130	+ 27 ± 13	+ 73 ± 10	1802
9751	8.5 K2	17 47.94	1.1431 + 9	55 21 23.1	1.556 165	+ 17 14	- 67 12	2057
9752	9.2 K5	17 50.26	0.9054 + 3	58 24 12.0	1.559 131	+ 4 13	+ 1 11	1803
9754	8.7 F2	18 26.68	0.7662 - 2	59 58 36.4	1.612 110	+ 27 12	- 3 10	1890
9755	8.7 A2	18 26.45	1.0050 + 5	57 11 32.0	1.612 146	- 33 16	+ 7 12	1864
9756	8.8 G5	18 33.04	+1.0474 + 6	56 39 5.0	+1.622 + 152	- 23 ± 14	+ 6 ± 12	2092
9759	7.8 F2	18 50.95	0.8893 1	58 36 1.9	1.647 129	+ 33 14	- 22 12	1805
9761	9.2 F8	19 10.18	1.1177 6	55 43 11.3	1.676 162	- 23 14	- 14 11	2059
9762	8.5 K2	19 13.89	1.1728 8	54 57 16.3	1.681 169	- 14 13	+ 21 11	1975
9763	7.3 K5	19 23.01	1.1649 8	55 4 2.6	1.694 168	- 11 14	- 17 12	2060
9764	9.4 A3	19 23.70	+0.9992 + 3	57 16 25.9	+1.695 + 145	+ 5 ± 13	- 16 ± 11	1865
9767	8.6 G0	19 39.80	0.8740 - 1	58 47 19.2	1.719 127	- 87 14	+222 12	1806
9768	9.2 F8	19 42.12	0.9728 + 2	57 36 22.9	1.722 141	- 45 16	+ 20 12	1866
9771	9.0 F0	20 4.40	0.7811 - 5	59 49 48.5	1.754 112	+ 12 14	- 24 12	1893
9775	8.0 K0	21 28.89	1.0056 + 1	57 12 57.5	1.877 145	+ 19 14	+ 7 12	1868
9779	8.9 G0	21 57.99	+1.1242 + 4	55 39 40.5	+1.919 + 162	- 28 ± 14	- 24 ± 12	2065
9780*	5.1 A2	22 5.02	0.8811 - 4	58 43 47.0	1.929 127			1809
9782	8.9 F8	22 9.10	0.8792 - 4	58 45 9.4	1.935 127	- 22 14	+ 71 12	1810
9784	9.1 F0	22 29.28	0.9012 - 4	58 29 53.5	1.964 130	+ 32 14	+ 15 10	1811
9787	9.3 F8	22 47.97	0.8973 - 5	58 32 50.2	1.992 130	+ 24 18	- 30 15	1813

9707 = PGC 4622. 9780 = PGC 4671 = BDS 8574: 5.2, 8.2, 4".

Epoch, 1917.50

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9788	8.6 F5	23 0.94	+ 0.9027 - 5	58 29 11.0	+ 2.011 + 130	-.024 ± 14	-.002 ± 12	1815
9789	9.0 G0	23 3.10	1.0308 0	56 54 44.6	2.013 149	+ 46 13	+ 3 14	2095
9791	8.8 G0	23 13.71	1.1263 + 2	55 38 48.7	2.029 163	+ 24 14	+ 1 12	2069
9792	8.9 K5	24 0.33	1.0584 0	56 33 55.3	2.096 153	+ 45 13	- 40 11	2097
9800	9.0 K2	24 47.06	1.1672 + 2	55 5 44.8	2.164 168	- 5 16	- 30 12	2073
9804	7.2 K0	24 58.24	+ 0.8045 - 12	59 37 39.5	+ 2.180 + 116	+ 31 ± 14	- 1 ± 12	1898
9805	9.0 M0	25 1.81	0.8416 - 10	59 12 49.1	2.186 121	- 13 14	- 32 12	1897
9806	9.0 K5	25 8.40	0.9287 - 7	58 12 10.7	2.195 134	+ 6 14	+ 8 12	1817
9809	9.1 G5	25 24.49	1.1263 0	55 40 27.5	2.219 162	- 3 16	0 12	2076
9813	9.1 G0	25 34.21	1.1774 + 2	54 57 42.2	2.233 169	- 8 16	- 19 12	1998
9814	8.8 F0	25 37.47	+ 1.1241 0	55 42 24.6	+ 2.238 + 162	- 27 ± 16	- 15 ± 12	2077
9815	9.1 K	25 40.18	0.9128 - 8	58 23 56.6	2.241 131	- 9 14	+ 4 12	1818
9316	8.0 A0	25 54.87	1.0017 - 5	57 19 0.2	2.263 144	+ 13 14	- 4 12	1873
9817	7.2 F5	25 57.78	1.1328 0	55 35 29.3	2.267 163	+ 38 14	+ 17 12	2078
9818*	6.2 K0	25 59.30	0.8201 - 13	59 28 1.0	2.269 118	+ 55 12	+ 38 10	1899
9819	7.9 G5	26 4.47	+ 0.9597 - 7	57 50 24.6	+ 2.277 + 138	- 5 ± 12	+ 3 ± 10	1874
9820	8.6 K7	26 16.44	0.9076 - 9	58 28 4.2	2.294 130	+ 47 14	- 1 12	1819
9822	8.9 A0	26 33.53	1.1419 0	55 28 23.4	2.319 164	- 12 14	- 18 12	2079
9823	9.1 K7	26 34.09	1.0776 - 3	56 20 45.1	2.319 155	+ 61 14	- 18 12	2103
9825	9.0 K2	26 49.54	1.1687 0	55 6 9.3	2.342 168	- 10 14	- 29 11	2081
9827	8.6 A3	27 7.61	+ 1.1552 - 1	55 17 46.5	+ 2.368 + 166	- 4 ± 15	+ 17 ± 13	2082
9828	8.5 K2	27 10.72	1.1185 2	55 48 16.1	2.373 161	+ 5 14	- 23 12	2084
9829	8.8 F0	27 11.12	1.1719 0	55 3 45.4	2.373 168	+ 41 13	+ 1 11	2083
9832	8.9 A2	27 44.14	1.1132 3	55 53 1.7	2.421 160	+ 55 14	+ 2 12	2085
9833	9.0 F	27 46.18	1.1032 3	56 1 11.3	2.424 159	+ 6 14	- 20 12	2105
9834	8.2 F0	27 54.16	+ 1.0996 - 3	56 4 10.9	+ 2.435 + 158	+ 7 ± 14	- 26 ± 12	2106
9835	9.1 K7	27 56.34	0.8211 16	59 28 50.4	2.439 118	+ 26 14	- 17 12	1901
9837	8.9 G5	28 3.00	1.0159 7	57 9 58.1	2.448 146	- 26 14	+ 40 12	1877
9838	8.9 A5	28 10.22	1.0501 6	56 43 46.2	2.459 151	- 4 15	+ 55 13	2107
9840	8.9 K7	28 15.21	0.9386 11	58 7 27.3	2.466 135	+ 29 14	+ 9 12	1821
9842	8.8 K5	28 53.97	+ 1.0372 - 7	56 54 24.2	+ 2.522 + 149	- 22 ± 15	+ 30 ± 13	2108
9843	9.2 F5	29 8.15	1.0342 8	56 56 54.5	2.542 149	+ 13 13	+ 55 11	2109
9846	8.9 G5	29 33.62	1.0646 7	56 33 32.0	2.579 153	+ 2 16	- 46 12	2110
9847	8.8 A0	29 41.10	0.8238 18	59 28 30.2	2.590 118	+ 15 14	- 23 12	1903
9848	7.7 K5	29 46.36	1.1237 5	55 46 16.2	2.598 161	+ 20 14	+ 6 12	2089
9850	8.9 G5	29 59.22	+ 1.1753 - 3	55 3 18.2	+ 2.616 + 168	+ 8 ± 16	- 11 ± 12	2090
9851	9.3 F5	30 5.76	1.0350 9	56 57 9.8	2.626 148	- 15 16	+ 42 12	2111
9852	8.8 A3	30 7.84	0.9813 11	57 37 48.3	2.629 140	0 14	+ 12 12	1878
9853	7.7 F0	30 9.83	0.8377 18	59 19 35.5	2.631 120	+ 43 14	- 14 12	1904
9856*	4.8 F8p	30 25.22	1.0355 9	56 57 1.4	2.654 149	- 10 13	- 6 10	2113
9859	9.0 F8	30 35.99	+ 1.1496 - 4	55 25 36.5	+ 2.669 + 165	+ 56 ± 14	+ 21 ± 12	2092
9861	9.2 F	30 47.87	1.1033 7	56 3 44.3	2.687 158	- 4 14	- 117 12	2115
9863	9.0 F5	31 1.46	0.8502 19	59 11 52.6	2.706 121	+ 2 14	+ 9 12	1905
9864	8.9 K5	31 20.83	0.7974 22	59 47 26.8	2.734 114	+ 24 14	+ 14 12	1906
9865	8.8 F8	31 31.74	0.9020 17	58 36 28.5	2.750 129	+ 5 13	+ 17 11	1824
9867	9.0 K	31 35.87	+ 1.1133 - 7	55 56 26.6	+ 2.756 + 160	+ 66 ± 16	+ 19 ± 12	2093
9868	8.3 A0	31 52.15	0.9736 14	57 45 7.8	2.779 140	+ 62 13	+ 15 11	1881
9870	9.3 F5	32 8.18	1.0698 10	56 31 49.1	2.803 153	- 10 14	- 19 12	2117
9872	7.7 A3	32 12.66	1.1218 7	55 50 3.0	2.809 161	+ 9 14	- 68 12	2094
9873	7.5 A5	32 24.37	0.9784 14	57 42 3.0	2.826 140	+ 5 14	- 25 12	1882

9818 = PGC 4688. 9856 = PGC 4707. Epoch of observation, 1917.50

18h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
9875	8.8 K0	32 32.73	+0.9687 - 15	57 49 21.7	+ 2.838 + 139	- 0.019 ± 13	- 0.001 ± 11	1883
9877	8.8 K0	32 55.28	1.0268 12	57 6 8.7	2.871 147	+ 24 14	+ 28 12	1884
9878	9.0 A2	33 9.72	1.1679 6	55 12 39.4	2.892 167			2095
9879	8.6 K5	33 13.98	0.8563 22	59 9 47.1	2.898 123	+ 12 14	+ 25 12	1907
9880	8.4 K2	33 47.49	0.9950 15	57 31 1.7	2.946 142	+ 21 16	- 69 12	1885
9883	8.8 M3	33 54.38	+1.1701 - 7	55 11 37.0	+ 2.956 + 167	+ 40 ± 14	- 23 ± 12	2096
9894	9.0 F2	35 19.03	0.9223 21	58 25 47.3	3.078 132	+ 9 14	+ 27 12	1825
9901	8.0 K5	35 59.48	1.1629 9	55 19 57.1	3.136 166	+ 9 14	- 4 12	2098
9902	8.5 K5	36 1.70	0.8174 29	59 38 48.3	3.140 117	+ 10 14	+ 16 12	1908
9903*	7.3 F8	36 5.00	1.1773 9	55 7 51.5	3.144 169	+ 33 14	+ 51 12	2099
9904	8.7 G5	36 6.85	+0.9340 - 22	58 18 16.2	+ 3.145 + 133	+ 291 ± 14	+ 76 ± 12	1826
9905	7.9 K0	36 5.43	1.0284 16	57 8 7.7	3.145 147	- 13 14	- 31 12	1890
9907	8.6 K7	36 32.66	0.8632 27	59 8 25.6	3.184 123	+ 34 13	- 10 11	1909
9909	8.9 G0	36 42.40	1.1247 12	55 52 30.4	3.190 160	+ 17 14	+ 15 12	2100
9910	9.1 F2	36 51.38	1.1536 10	55 28 42.9	3.211 165	+ 35 14	- 11 12	2101
9914	9.3 G0	37 7.31	+0.8605 - 28	59 10 51.4	+ 3.233 + 123	+ 59 ± 13	- 28 ± 11	1910
9916	7.2 K5	37 34.54	0.8408 30	59 24 42.9	3.273 120	+ 27 14	+ 14 12	1911
9917	8.0 F0	37 54.96	0.9512 23	58 7 51.0	3.303 135	+ 3 14	+ 36 12	1827
9918	9.1 K5	38 10.89	1.1660 11	55 19 51.8	3.325 166	+ 20 14	- 3 12	2103
9921	8.9 K0	38 40.95	1.1615 12	55 24 11.9	3.369 166	+ 28 14	+ 13 12	2104
9923	8.3 M3	38 52.27	+1.0684 - 17	56 40 14.9	+ 3.385 + 152	+ 13 ± 14	- 7 ± 12	2125
9926	8.7 K2	39 12.72	1.1585 13	55 27 22.4	3.414 165	+ 30 14	+ 21 12	2105
9927	9.0 F0	39 15.90	0.9688 24	57 56 31.2	3.419 138	+ 30 14	+ 8 12	1894
9928	9.4 F8	39 20.48	0.8411 32	59 26 28.3	3.426 120	- 9 14	- 47 12	1913
9931	7.5 K0	40 0.32	1.1564 14	55 30 4.3	3.483 164	+ 33 14	+ 5 12	2106
9933*	5.3 A0	40 12.81	+1.1630 - 14	55 24 49.2	+ 3.501 + 165	- 9 ± 14	+ 18 ± 12	2107
9935	7.9 K0	40 30.30	1.1698 14	55 19 27.5	3.526 166	+ 3 16	- 16 12	2108
9938	9.2 A5	40 38.68	1.1151 17	56 4 56.6	3.537 158	+ 70 14	- 23 12	2127
9939	8.8 K0	40 38.49	1.1268 16	55 55 27.6	3.538 161	- 13 16	- 14 12	2109
9940	7.7 G5	40 45.00	0.9876 25	57 44 19.3	3.546 140	+ 144 14	- 6 12	1895
9942	8.3 A2	40 55.24	+1.0688 - 20	56 42 21.6	+ 3.561 + 152	+ 36 ± 16	- 18 ± 12	2128
9943	7.5 F8	41 14.98	0.9920 25	57 41 34.6	3.590 141	- 49 11	- 96 9	1896
9945	8.7 K5	41 15.95	0.8448 35	59 27 42.2	3.602 120	- 1.298 13	+ 1.879 10	1915
9950	9.0 A7	41 30.44	1.1805 14	55 11 36.6	3.612 168	+ 31 14	- 12 12	2110
9951*	8.7 K0	41 36.27	1.0649 21	56 46 16.9	3.620 152	+ 21 12	- 10 10	2130
9952	9.0 F2	41 41.55	+1.0117 - 24	57 27 29.0	+ 3.628 + 144	+ 21 ± 14	+ 38 ± 12	1897
9953	7.5 F2	41 43.46	0.9829 26	57 49 4.1	3.631 139	0 14	+ 45 12	1898
9955	9.0 K0	41 48.48	1.1855 14	55 7 44.7	3.638 169	+ 23 14	- 40 12	2111
9956	8.6 A2	42 1.80	1.0419 23	57 4 48.7	3.657 148	+ 51 14	+ 49 12	1899
9957	8.4 F5	42 15.04	1.0755 21	56 38 47.7	3.676 153	+ 5 14	+ 44 10	2132
9958	8.7 F5	42 16.06	+1.0820 - 20	56 33 40.1	+ 3.678 + 154	- 21 ± 17	- 32 ± 14	2131
9959	7.8 G0	42 21.67	1.0369 23	57 9 5.3	3.685 147	+ 42 14	+ 107 12	1900
9961	8.9 A2	42 30.31	0.9840 27	57 49 13.0	3.698 139	- 7 12	0 10	1901
9962	7.1 F2	42 41.81	1.0526 23	56 57 20.9	3.714 149	- 2 15	+ 15 13	2134
9967	7.4 K0	42 57.59	1.0509 23	56 58 57.6	3.737 149	+ 23 13	+ 16 10	2136
9970	8.6 K2	43 18.16	+0.8607 - 37	59 17 56.1	+ 3.765 + 121	+ 23 ± 14	- 7 ± 12	1918
9972	9.0 K5	43 29.89	1.1414 18	55 47 3.2	3.783 162	+ 15 14	- 12 12	2112
9974	8.7 A2	43 36.81	1.1283 19	55 58 4.6	3.793 160	+ 8 14	- 7 12	2113
9976	9.0 K2	43 43.80	1.0123 27	57 29 35.9	3.803 143	+ 14 13	+ 9 11	1902
9978	9.2 G5	43 56.07	0.9561 31	58 11 30.8	3.820 135	+ 49 14	- 25 12	1831

9903 = PGC 4729. 9933 = PGC 4745. 9951 = BDS 8800: 8.9, 10.5, 3". Epoch, 1917.50

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
9981	6.9 K5	44 5.94	+0.8513 - 39	59 25 24.0	+ 3.835 + 120	+.033 ± 13	+.007 ± 11	1919
9983	7.2 K0	44 16.47	0.8404 40	59 32 59.0	3.849 119	+ 67 13	+ 55 11	1921
9989	8.9 G5	44 50.28	1.1378 20	55 51 55.1	3.898 161	+ 19 14	- 19 12	2114
9990	7.8 A0	44 57.08	1.1538 19	55 38 42.7	3.908 164	+ 31 14	- 18 12	2115
9995	8.9 F5	45 31.52	1.1115 22	56 14 24.6	3.957 157	- 13 16	+ 61 12	2143
9998	7.9 K5	45 51.90	+1.0246 - 29	57 23 8.0	+ 3.986 + 145	+ 36 ± 12	+ 57 ± 10	1905
10004	9.3	46 43.98	1.1661 20	55 31 0.2	4.061 165	- 1 14	- 9 12	2117
10005	8.9 K0	47 0.01	1.1998 18	55 2 38.0	4.084 170	- 17 14	- 64 12	2118
10007	9.3	47 21.89	1.0045 32	57 40 25.2	4.114 142	+ 91 14	+ 9 12	1906
10008	7.8 A0	47 22.66	1.0030 32	57 41 36.1	4.116 141	+ 30 14	+ 10 12	1907
10009	8.6 A0	47 35.00	+0.9327 - 38	58 33 21.3	+ 4.134 + 131	+ 17 ± 14	+ 8 ± 12	1837
10010	9.2 F8	47 50.77	1.1207 24	56 10 10.0	4.156 158	+ 60 16	- 5 12	2147
10011	9.2 F2	47 51.52	0.9954 31	57 47 55.7	4.157 140	+ 26 13	+ 9 11	1908
10013	9.0 F8	48 4.60	1.1814 20	55 20 0.7	4.176 167	+ 29 14	- 11 12	2120
10017	9.1 G0	48 9.77	0.9992 33	57 45 30.3	4.183 141	+ 31 19	- 36 11	1910
10018	8.5 K7	48 12.57	+1.0999 - 26	56 27 29.8	+ 4.187 + 155	+ 31 ± 13	- 36 ± 10	2148
10020	8.8 F2	48 43.10	1.0541 30	57 4 32.5	4.231 148	+ 14 16	+ 23 12	1911
10021	8.3 Ma	48 44.71	1.1240 25	56 8 52.2	4.233 158	+ 4 14	- 18 12	2150
10023	9.2	48 46.35	1.2052 19	55 0 36.7	4.235 170	+ 51 14	- 22 12	- 2045
10025	8.7 A3	48 54.42	1.2094 19	54 57 13.4	4.247 170	+ 18 14	- 17 12	2046
10026	9.2 K	48 56.89	+1.1013 - 27	56 27 32.1	+ 4.250 + 155	+ 24 ± 13	- 13 ± 11	2151
10027	8.9 A2	49 3.41	1.1086 26	56 21 49.1	4.260 156	- 26 15	+ 4 13	2153
10028	8.5 K2	49 4.15	0.9857 36	57 56 54.6	4.261 139	- 11 16	+ 40 12	1912
10029	8.5 A2	49 12.64	1.0616 30	56 59 21.3	4.273 149	- 8 14	- 7 12	2155
10032	8.6	49 19.89	0.8774 45	59 14 39.4	4.284 123	- 25 14	+ 12 12	—
10033*	4.6 K0	49 21.88	+0.8782 - 45	59 14 10.8	+ 4.285 + 123			1925
10034	8.1 F0	49 23.30	1.1885 21	55 15 56.4	4.288 167	- 7 ± 14	- 17 ± 12	2122
10037	9.0 K2	49 39.29	1.2016 20	55 5 8.4	4.311 169	+ 30 14	- 5 12	2123
10039	8.5 K5	49 56.36	1.1121 27	56 20 18.6	4.335 156	+ 13 13	- 20 10	2156
10043	7.0 B9	50 15.74	0.8558 48	59 30 46.0	4.363 119	+ 12 16	+ 25 12	1926
10045	9.3 F0	50 25.89	+1.0534 - 32	57 7 39.1	+ 4.377 + 148	- 16 ± 18	+ 7 ± 15	1913
10046	9.1 K0	50 39.17	1.0424 33	57 16 25.7	4.397 146	- 49 16	- 33 13	1914
10047	9.0 K2	50 43.03	1.1224 27	56 13 9.6	4.402 158	- 3 16	- 33 12	2159
10048	8.9 K5	50 44.90	0.9189 43	58 47 42.3	4.405 128	- 57 16	- 73 12	1841
10049	9.0 A3	50 45.71	0.9399 41	58 32 50.4	4.406 131	- 11 16	- 1 12	1840
10055	8.8 G0	51 10.25	+0.9776 - 39	58 6 2.3	+ 4.440 + 137	+ 54 ± 16	- 48 ± 12	1842
10056	8.7 M0	51 16.92	1.1694 24	55 35 9.6	4.450 164	+ 48 14	+ 10 12	2124
10059	6.5 K0	51 36.40	1.0401 34	57 19 41.8	4.477 146	+ 26 13	- 21 11	1915
10060	8.3 Ma	51 50.80	1.1363 27	56 3 37.8	4.498 159	+ 23 14	+ 26 12	2161
10061	9.1 F8	51 57.37	1.1064 29	56 28 4.0	4.508 155	- 22 14	- 47 12	2162
10062	8.5 K2	51 58.26	+1.2163 - 21	54 56 2.4	+ 4.509 + 171	+ 14 ± 14	- 10 ± 12	2055
10063	7.3 B5	52 1.56	0.8288 53	59 51 31.0	4.513 116	- 15 13	- 18 11	1929
10064	8.9 G0	52 4.88	1.1551 26	55 48 21.8	4.518 162			2125
10066	7.4 F2	52 33.42	0.9412 44	58 34 35.1	4.559 132	- 8 13	- 83 11	1844
10067	9.5 F	52 36.08	1.1900 24	55 19 47.0	4.562 167	+ 30 14	+ 6 12	2126
10071	8.9 A5	53 27.40	+1.2057 - 23	55 7 40.9	+ 4.635 + 169	- 9 ± 14	- 38 ± 12	2129
10075	8.8 K2	53 44.68	1.0327 37	57 28 44.6	4.660 145	- 33 14	- 66 12	1920
10076	7.7 K5	53 46.98	1.1080 31	56 29 47.0	4.663 155	- 9 14	+ 1 12	2164
10080	9.0 F2	54 25.93	1.0768 34	56 55 42.4	4.718 151	+ 20 16	- 13 12	2166
10083	8.7 G0	54 27.55	1.2147 24	55 1 38.8	4.720 170	+ 23 12	+ 51 10	2130

10033 = PGC 4790.

Epoch of observation, 1917.50

$18^h - 19^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
10084	8.7 K2	54 33.84	+1.0302 −38	57 32 2.3	+4.729 +144	+.030 ± 14	−.017 ± 12	1921
10086*	6.3 F2	54 37.35	1.1035 32	56 34 49.8	4.734 154	+ 39 14	+ 48 12	2167
10087*	5.6 K0	54 38.10	1.0212 39	57 38 55.8	4.736 143	− 19 14	− 61 12	1922
10089	8.5 K0	54 49.62	1.1420 30	56 3 47.5	4.752 159	+ 29 16	+ 33 12	2168
10090	9.3 F0	54 56.06	1.0805 35	56 53 37.1	4.761 151	− 22 14	− 14 12	2169
10092*	6.5 A2	55 24.92	+0.9906 −43	58 3 15.6	+4.802 +138	+ 20 ± 13	+ 37 ± 11	1849
10094	9.1 F0	55 31.15	1.0462 38	57 21 20.1	4.811 146	− 15 18	− 41 12	1925
10095	8.3 A2	55 40.81	1.1311 31	56 14 13.3	4.824 158	+ 49 12	+ 5 10	2170
10096	7.3 K5	55 41.86	1.2005 26	55 15 58.6	4.826 168	− 4 14	− 24 12	2131
10103	9.1 A2	56 24.78	0.8127 62	60 8 59.6	4.886 113	+ 5 15	− 48 13	1862
10104	8.5 G5	56 25.23	+1.1251 −33	56 20 23.2	+4.887 +157	+ 43 ± 14	− 9 ± 12	2173
10108	9.1 G5	57 16.51	1.1840 29	55 32 52.6	4.960 166	− 15 14	− 22 12	2134
10111	8.5 A2	57 30.96	0.9641 48	58 26 9.6	4.980 134	+ 8 14	− 29 12	1851
10112	8.7 G5	57 34.58	1.2239 26	54 59 4.7	4.985 171	− 2 14	− 25 12	2074
10113	8.7 K7	57 41.67	1.1510 32	56 1 21.2	4.995 161	+ 3 14	+ 20 12	− 2136
10114	9.3 F5	57 44.41	+1.1671 −31	55 47 60.8	+4.999 +163	+ 8 ± 16	+ 60 ± 14	2135
10116	8.8 G5	57 46.66	1.0945 37	56 47 18.4	5.003 152	− 136 14	− 149 12	2176
10118	8.6 B8	58 6.88	1.1282 34	56 20 50.8	5.031 157	− 29 14	− 26 12	2177
10120	8.8 K7	58 14.91	1.1075 36	56 37 48.4	5.042 154	+ 17 14	+ 6 12	2178
10121*	5.7 G5	58 15.01	1.1909 29	55 28 46.9	5.042 166	− 20 13	− 5 10	2137
10124	8.5 K2	58 23.32	+1.0561 −41	57 18 39.4	+5.054 +147	− 15 ± 12	+ 2 ± 12	1928
10130	8.2 F2	58 39.53	1.0316 43	57 37 57.9	5.077 143	+ 34 14	+ 32 12	1929
10136	9.1 K2	58 58.26	1.0573 41	57 18 46.2	5.103 147	+ 36 12	+ 27 10	1930
10138	8.7 K5	59 8.94	1.0172 45	57 49 43.6	5.119 141	− 17 14	+ 11 12	1932
10139	9.3 F	59 14.28	1.0146 46	57 51 50.9	5.126 140	− 14 16	− 17 13	1933
10143	9.1 K0	59 34.13	+1.1808 −31	55 39 45.5	+5.154 +164	− 7 ± 14	+ 3 ± 12	2139
10145	9.1 F8,	59 40.31	0.8460 63	59 52 20.7	5.162 117	+ 41 14	− 26 12	1936
10146	8.9 K5	59 40.36	1.1998 30	55 23 46.9	5.163 167	− 14 14	+ 2 12	2140
10148	9.2 G0	59 53.65	1.1417 35	56 12 59.8	5.181 159	+ 35 16	− 32 12	2182
10152	6.8 K5	0 20.31	0.8414 65	59 56 38.8	5.219 116	+ 20 13	+ 21 11	1937
10154	7.8 K0	0 35.83	+1.1278 −37	56 25 43.8	+5.241 +157	+ 10 ± 14	+ 28 ± 12	2185
10156	9.3 G0	0 47.26	0.8436 65	59 55 58.0	5.257 117	+ 5 13	− 4 11	1939
10157	9.0 A0	0 56.34	1.2008 31	55 25 19.6	5.270 167	− 7 14	− 3 12	2141
10158	9.3 F0	1 6.05	1.0768 42	57 7 27.9	5.283 150	+ 10 14	+ 1 12	1939
10159	8.7 K2	1 9.69	1.0588 44	57 21 36.4	5.289 147	− 16 14	− 32 12	1940
10161	8.2 A0	1 13.96	+0.9040 −59	59 15 29.8	+5.294 +125	+ 42 ± 14	+ 3 ± 12	1941
10162	9.2 F5	1 14.09	1.1742 33	55 48 27.4	5.294 163	+ 24 14	− 16 12	2142
10174	9.0 G5	2 9.81	1.2202 30	55 10 53.8	5.373 169	− 20 14	− 68 12	2143
10175	8.7 F5	2 14.83	1.2281 30	55 4 6.5	5.380 170	− 13 14	− 53 12	2144
10176	9.0 A2	2 26.08	1.1790 34	55 46 43.8	5.396 163	− 14 12	− 14 10	2145
10177	9.0 A7	2 27.83	+1.1013 −41	56 50 38.7	+5.399 +153	− 28 ± 14	− 24 ± 12	2188
10179	9.2 F2	2 29.10	0.8550 67	59 51 22.1	5.400 118	− 34 15	− 20 12	1944
10180	8.8 K7	2 29.49	1.1849 34	55 41 52.0	5.401 164	+ 7 14	− 10 12	2146
10182	8.7 G5	2 37.34	1.1869 34	55 40 24.4	5.412 164	− 6 14	− 9 12	2147
10183	9.0 A3	2 46.70	1.0954 42	56 55 57.7	5.425 152	− 34 16	+ 43 12	2190
10186	9.3 A	3 3.53	+1.1578 −36	56 5 45.4	+5.448 +160	− 5 ± 12	− 32 ± 10	2191
10189	9.1 G0	3 17.62	0.8846 64	59 32 42.8	5.468 121	+ 47 14	+ 16 12	1946
10191	8.1 K0	3 27.86	1.1185 41	56 38 47.7	5.483 155	+ 8 16	+ 20 12	2192
10194	7.6 A2	3 54.96	0.9249 61	59 5 50.3	5.521 127	− 10 14	− 19 12	1947
10196	8.3 K5	3 59.62	1.0680 46	57 19 48.9	5.527 147	+ 11 14	− 29 12	1944

10086 = BDS 8962: 6.4, 9.5, 7.″5.
10087 = PGC 4822.
10092 = PGC 4827 = BDS 8966: 7.0, 7.6, 0.″7.
10121 = PGC 4848.

Epochs: Stars 10084 to 10148, 1917.50; stars 10152 to 10196, 1917.52

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
10198	8.7 G0	4 5.90	+0.9854 - 55	58 22 32.8	+ 5.536 + 135	+.042 ± 14	+.077 ± 12	1867
10199	8.7 K0	4 7.20	0.8747 67	59 41 3.0	5.538 120	- 11 14	- 16 12	1948
10200	7.3 K0	4 9.13	0.8553 69	59 54 14.1	5.540 117	+ 38 16	+ 5 12	1949
10201	9.1 A2	4 9.78	1.1553 38	56 10 3.1	5.541 159	+ 3 14	+ 25 12	2194
10206	8.5 G5	4 56.04	1.1405 40	56 23 47.3	5.606 157	+ 31 14	+ 50 12	2195
10207	7.5 K0	5 11.65	+1.0285 - 51	57 52 35.6	+ 5.628 + 141	+ 7 ± 14	+ 3 ± 12	1947
10208	9.5	5 14.70	1.2272 32	55 10 58.9	5.632 169	+ 6 16	- 36 14	2150
10211	7.6 A3	5 32.35	1.2269 33	55 11 51.6	5.657 169	+ 11 11	+ 11 9	2151
10213	9.1 F8	5 37.07	1.0873 46	57 7 59.1	5.664 150	- 34 14	+ 11 12	1948
10216	9.3 K2	5 47.36	1.1925 36	55 42 2.1	5.678 164	- 40 14	- 33 12	2153
10217	7.8 K0	5 52.34	+1.0254 - 52	57 56 23.4	+ 5.685 + 141	+ 16 ± 14	+185 ± 12	1949
10218	9.0	5 54.67	0.8433 73	60 5 38.8	5.688 116	- 4 15	+ 39 13	1888
10221	9.4 F8	6 6.56	1.2202 34	55 18 53.9	5.705 168	+ 31 14	- 23 12	2154
10224	9.0 G	6 24.53	1.0778 48	57 16 58.7	5.730 148	+ 4 14	- 7 12	1953
10230	8.5 K5	6 53.34	1.1474 41	56 22 5.6	5.770 158	0 14	+ 1 12	2196
10231	9.3 K0	7 2.20	+1.2106 - 35	55 29 10.0	+ 5.783 + 166	- 34 ± 14	+ 60 ± 12	2155
10233	7.5 K2	7 18.49	1.1974 37	55 41 12.8	5.805 164	+ 7 13	- 36 10	2156
10235	9.2 A2	7 27.37	1.1789 39	55 57 0.2	5.818 162	+ 28 16	- 13 12	2157
10236	7.2 F0	7 30.34	1.0194 55	58 4 6.9	5.821 139	+ 68 16	+ 50 12	1872
10237	6.9 K5	7 37.27	1.0040 57	58 15 47.8	5.831 137	+ 36 16	- 32 12	1873
10239	9.0 K0	7 41.48	+0.9338 - 65	59 6 53.3	+ 5.837 + 128	+ 33 ± 14	- 23 ± 12	1956
10242	9.3 G5	7 52.44	1.0758 49	57 21 36.6	5.853 148	- 41 13	+ 34 11	1956
10244	8.1 A0	8 6.85	1.2349 34	55 10 15.0	5.872 169	+ 55 14	- 3 12	2158
10245	8.9 F8	8 6.87	1.1411 43	56 29 52.7	5.873 157	- 70 16	+ 82 12	2201
10249	8.9 K2	8 25.45	0.9845 60	58 31 52.7	5.899 134	+ 6 14	- 7 12	1876
10250	8.5	8 28.64	+0.8501 - 76	60 6 3.2	+ 5.903 - 116	- 15 ± 15	- 33 ± 13	1898
10251	9.1 A2	8 29.84	0.9343 66	59 8 9.4	5.905 127	+ 10 14	- 37 12	1959
10252	8.9 K2	8 30.37	1.2353 34	55 10 45.0	5.906 169	+ 5 14	- 10 12	2159
10253	8.6 A3	8 34.08	1.2479 33	54 59 50.6	5.911 171	+ 8 14	- 17 12	2100
10256	9.1 A0	8 37.05	1.1516 43	56 22 15.1	5.915 158	+ 29 14	- 3 12	2205
10257	8.6 K5	8 37.90	+1.1845 - 39	55 54 46.6	+ 5.916 + 163	+ 24 ± 14	- 12 ± 12	2160
10258	9.0 A5	8 39.21	1.0831 50	57 17 29.4	5.918 149	+ 8 14	0 12	1957
10259	8.6 G5	8 40.47	1.0632 52	57 33 2.2	5.920 146	- 63 13	-116 11	1958
10260	8.9 A0	8 49.17	1.1832 40	55 56 21.2	5.932 163	+ 7 14	+ 30 12	2162
10266	8.5 A0	9 9.40	1.1629 42	56 14 2.4	5.960 159	+ 11 16	- 24 12	2207
10267	8.0 F2	9 13.93	+1.0206 - 57	58 6 43.6	+ 5.966 + 140	+ 39 ± 14	- 18 ± 12	1878
10269*	5.7 K0	9 18.95	1.1332 45	56 38 50.7	5.973 155	+ 42 14	+ 58 12	2209
10270	9.2 A2	9 20.70	1.1572 43	56 19 11.4	5.976 159	- 9 13	- 22 11	2208
10272	7.6 A0	9 25.02	1.0042 59	58 19 21.9	5.982 137	- 29 13	+ 7 11	1880
10273	8.8 K5	9 27.63	1.0449 55	57 48 49.3	5.985 143	- 14 14	- 9 12	1959
10275	9.2	9 45.10	+1.1226 - 47	56 48 20.9	+ 6.010 + 154	0 ± 13	- 23 ± 11	2210
10276	9.2 K5	9 45.61	0.9273 69	59 15 44.1	6.010 127	+ 8 12	0 10	1963
10281	7.4 K0	9 55.30	1.0747 52	57 27 1.3	6.022 147	+ 214 12	+394 10	1961
10286	9.2 K0	10 15.03	1.1923 40	55 51 44.3	6.051 163	+ 11 16	+ 17 12	2166
10287	8.6 G5	10 15.53	1.2544 34	54 57 46.9	6.052 171	- 4 14	- 1 12	2103
10288	8.8 K7	10 21.60	+0.9448 - 67	59 4 35.1	+ 6.060 + 129	+ 6 ± 14	- 7 ± 12	1964
10291	8.6 A2	10 45.52	1.1302 47	56 44 24.1	6.094 154	+ 20 14	+ 1 12	2211
10292	8.2 B9	10 47.32	1.0423 56	57 53 36.7	6.096 142	- 13 14	- 9 12	1964
10293	8.9 K0	10 52.87	1.2425 36	55 9 41.9	6.104 170	+ 2 14	- 7 12	2167
10298	9.5 F8	11 14.70	1.1887 41	55 56 58.0	6.134 163	- 30 15	- 4 11	2168

10269 = PGC 4894.

Epoch of observation, 1917.52

19^h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		Proper Motions in Decl		BD No
			m s	s		° ' "	"		"		"		
10299	9.4	G0	11 17.91	+0.9457	-68	59 5 53.5	+6.138	+129					1969
10300	9.1	A5	11 21.44	1.2432	36	55 10 12.3	6.144	170	+.005	±14	+.005	±12	2169
10306	9.2		11 37.92	0.8545	81	60 9 32.3	6.167	116	-22	16	-82	13	1910
10307*	5.3	K0	11 41.25	1.0763	54	57 29 21.5	6.171	147	-41	14	-63	12	1968
10308	8.9	A5	11 42.43	1.0406	58	57 56 57.4	6.173	142	-21	14	+30	12	1967
10309	9.0	A0	11 43.16	+1.1237	-48	56 51 46.3	+6.174	+153	+18	±14	-19	±10	2214
10310	8.4	K0	11 44.60	1.1066	50	57 5 31.3	6.176	151	-16	14	-50	12	1969
10312	9.1	A7	11 48.50	1.0216	60	58 11 31.0	6.181	139	-20	16	+19	12	1885
10313	6.9	K2	11 49.91	1.2063	40	55 43 18.3	6.183	165	+16	14	+25	12	2170
10317	8.9	G0	12 2.93	0.9237	72	59 23 5.4	6.201	125	+12	16	+14	12	1973
10318	7.4	F8	12 5.51	+0.9285	-72	59 19 51.9	+6.204	+126	+40	±16	+96	±12	1974
10320	9.1	F0	12 10.74	1.1745	44	56 11 4.2	6.212	160	-9	14	+7	12	2215
10321	8.9	K5	12 11.63	1.1034	51	57 9 6.5	6.213	150	+4	14	+5	12	1970
10322	8.9	F5	12 18.21	1.1178	50	56 57 51.8	6.222	152	-3	16	0	12	2217
10323	7.0	A3	12 23.03	0.9174	74	59 28 11.8	6.229	124	+4	16	+14	12	1976
10325	8.8	G0	12 30.04	+1.2066	-41	55 44 37.8	+6.239	+165	-16	±14	+9	±12	2172
10326	7.7	A0	12 34.48	1.2612	35	54 56 59.8	6.245	173	+10	14	+16	12	2110
10327	8.9	A2	12 37.22	0.9076	75	59 35 32.5	6.249	123	-35	14	-7	12	1978
10328	9.2	A2	12 40.23	1.1048	52	57 9 6.3	6.253	150	+29	14	-10	12	1971
10329	8.9	G0	12 47.96	0.9119	75	59 32 53.4	6.264	123	-9	14	-40	12	1979
10333	8.4	F0	13 15.44	+0.9130	-75	59 33 10.9	+6.301	+123	+15	±16	+10	±12	1981
10334	8.9	K5	13 20.94	1.1563	47	56 28 51.4	6.309	157	+3	14	-2	12	2218
10336	8.6	F5	13 25.32	0.9198	75	59 28 45.4	6.315	124	+44	16	+4	12	1982
10337	9.2	Mb	13 28.20	0.9437	72	59 12 3.9	6.320	128	-52	15	-11	12	1983
10338	9.1	G0	13 31.27	1.2159	41	55 38 54.2	6.323	166	+13	14	-5	12	2174
10339	8.2	K0	13 32.25	+1.1762	-45	56 12 42.4	+6.325	+160	+15	±14	+19	±12	2219
10343	9.2	K0	14 7.94	1.2315	40	55 26 48.6	6.374	168	+28	14	-30	12	2177
10345	8.9	G5	14 9.65	0.8987	78	59 45 2.5	6.376	121	+31	15	+25	13	1988
10346	9.5	F5	14 10.33	1.2011	43	55 53 6.2	6.377	163	+60	16	-10	12	2178
10347	8.5	A2	14 10.30	1.2502	38	55 10 31.1	6.377	170	+4	16	+18	12	2179
10349	9.3	K2	14 38.11	+0.9211	-76	59 30 31.2	+6.416	+125	+19	±16	-21	±13	1991
10353	9.2	G0	15 0.15	0.9711	70	58 55 48.4	6.446	132	+4	14	-7	12	1888
10355	9.2	K0	15 4.82	1.2347	40	55 26 16.7	6.453	168	+5	14	+13	12	2181
10358	8.1	M0	15 18.40	0.9453	74	59 14 58.3	6.472	128	-28	15	-29	13	1993
10360	9.3	K5	15 20.97	1.0202	64	58 20 24.4	6.475	138					1890
10363	8.6	G5	15 30.25	+0.9554	-73	59 8 12.2	+6.488	+129	+43	±15	+18	±13	1994
10365	8.7	K5	15 34.63	1.0702	59	57 42 51.2	6.494	145	+13	16	-2	12	1977
10366	9.0	A5	15 35.32	0.9417	75	59 18 8.6	6.495	127	+26	15	-11	13	1995
10367	8.8	K2	15 37.82	1.0688	59	57 44 8.0	6.499	145	-32	13	+14	10	1978
10368	8.5	F5	15 39.70	1.0071	66	58 30 55.6	6.501	136	+6	14	+6	12	1891
10371	9.0	A0	15 50.79	+1.1570	-49	56 34 7.1	+6.516	+157	+13	±14	+25	±12	2222
10373	6.9	A0	15 55.38	0.9168	78	59 36 24.8	6.522	124	+18	14	+18	12	1996
10375	9.0		15 57.80	0.8685	85	60 9 30.7	6.526	117	-13	16	-33	13	1922
10376	9.3	F8	16 5.45	0.8881	83	59 56 31.6	6.536	120	+18	14	-30	12	1997
10380	7.4	A5	16 20.33	1.1427	51	56 47 0.3	6.557	154	+47	14	+2	12	2226
10382	9.0	K2	16 22.01	+1.1936	-45	56 4 43.4	+6.559	+162	-10	±14	-7	±12	2225
10383	9.1	K	16 22.64	1.2725	37	54 55 54.1	6.560	173	-7	14	+3	12	2121
10385	9.1	A7	16 34.30	0.9552	74	59 10 48.2	6.576	129	-29	21	-33	14	1999
10387	9.0	F0	16 42.97	1.1365	52	56 52 59.9	6.588	154	+1	14	+102	12	2229
10389	9.1	F8	17 11.35	1.2160	44	55 47 33.3	6.627	165	-29	14	-3	12	2183

10307 = PGC 4907.

Epoch of observation, 1917.52

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10390	8.6 A2	17 15.90	+1.1094 -56	57 16 1.7	+6.633 +150	+.029 ± 14	.000 ± 12	1983
10391	8.8 F0	17 20.90	1.2380 42	55 28 51.8	6.640 168	+ 16 14	- 10 12	2184
10392	9.3 K	17 26.06	1.2018 46	56 0 19.8	6.648 163	- 13 14	+ 5 12	-2185
10397	7.5 A0	17 54.76	1.1570 51	56 39 1.4	6.687 156	+ 24 14	+ 20 12	2231
10399	6.4 Ma	17 58.70	1.1008 58	57 24 33.7	6.692 149	+ 39 14	- 7 12	1986
10404	9.0 K7	18 9.03	+1.0072 -70	58 36 41.4	+6.707 +135	- 22 ± 16	- 5 ± 12	1897
10405	8.8 G0	18 9.78	1.1301 54	57 1 37.3	6.708 153	- 14 14	+ 28 12	-2232
10406	8.7 A2	18 12.28	1.0800 60	57 41 29.7	6.711 145	- 12 14	+ 27 12	1987
10408	9.1 A2	18 14.31	1.2559 40	55 15 19.8	6.714 170	0 16	- 23 12	2186
10409	9.0 F8	18 22.37	1.0681 62	57 51 9.7	6.725 144	0 16	+ 37 12	1988
10410	8.8 K2	18 25.28	+0.8919 -86	59 59 15.0	+6.729 +119	- 16 14	- 8 ± 10	2004
10417	9.2	18 41.30	1.0586 64	57 59 9.7	6.751 142	+ 13 14	- 7 12	1990
10418	8.5 K0	18 44.68	1.2418 42	55 29 1.6	6.755 168	+ 91 16	+ 17 12	2189
10419	9.0 A7	18 47.05	1.0560 64	58 1 25.2	6.759 142	+ 13 14	- 23 12	-1991
10422	9.0 F2	18 58.49	1.1014 59	57 26 33.7	6.775 148	- 42 13	+ 50 10	1992
10424	7.4 K2	19 8.78	+1.0955 -59	57 31 37.0	+6.788 +147	+ 24 ± 14	+ 36 ± 12	1993
10425	8.0 A3	19 13.96	1.2421 43	55 29 56.7	6.796 168	+ 16 14	+ 1 12	2190
10428	8.7 A0	19 20.73	1.2329 44	55 38 20.5	6.805 166	+ 19 12	+ 20 10	2191
10429*	9.1 F5	19 22.59	0.8942 87	59 59 54.2	6.808 120	- 29 14	- 2 10	2008
10430	8.6 F5	19 29.31	0.9575 78	59 15 58.0	6.817 128	- 23 16	+ 7 12	2011
10438	7.9 F8	20 19.57	+1.1632 -52	56 39 55.7	+6.885 +156	+ 47 ± 14	+ 32 ± 12	2236
10439	9.0 F8	20 20.84	0.9072 86	59 53 16.6	6.887 121	+ 22 14	+ 15 10	2013
10440	8.6 A5	20 22.46	1.1844 50	56 22 23.0	6.890 159	+ 20 14	- 16 12	2237
10441	9.1 K7	20 24.06	0.9054 86	59 54 39.9	6.892 121	+ 26 18	- 2 15	2014
10443	7.1 F0	20 29.32	1.2125 47	55 58 51.9	6.899 163	- 9 14	+ 77 12	2194
10445	8.5 K5	20 30.53	+1.1558 -54	56 46 26.0	+6.901 +155	+ 8 ± 14	- 13 ± 12	2238
10446	9.2 F0	20 31.53	0.9092 86	59 52 22.0	6.902 122	- 6 17	+ 5 14	2015
10450	8.7 K2	20 44.06	0.9183 85	59 46 32.0	6.919 123	- 11 14	- 15 12	2017
10452	9.0 K5	20 46.66	0.9072 87	59 54 19.7	6.923 121	+ 31 11	+ 1 10	2018
10453	9.0 K5	21 14.95	0.8992 89	60 0 56.1	6.962 120	- 16 14	+ 1 12	-2020
10456	8.7 K2	21 27.07	+1.2529 -43	55 26 11.0	+6.978 +168	+ 10 ± 14	+ 9 ± 12	2197
10458	9.1 K5	21 45.36	0.9590 81	59 20 25.7	7.004 128	- 60 15	+ 86 13	2023
10459	9.4 A7	21 53.63	0.9622 80	59 18 26.9	7.014 128	- 21 15	- 13 13	2024
10461	7.4 K5	22 14.30	1.2774 41	55 6 23.6	7.043 171	- 14 14	- 15 12	2199
10462	9.3 F5	22 15.29	1.1256 59	57 15 27.8	7.044 151	+ 54 18	- 4 15	1998
10463	8.5 F0	22 15.94	+0.9373 -84	59 36 59.4	+7.045 +125	- 6 ± 14	+ 18 ± 12	2025
10464	8.9 K7	22 17.11	1.1503 56	56 55 31.4	7.047 154	- 21 14	+ 7 12	2240
10465	7.4 K0	22 18.89	0.8955 91	60 6 4.4	7.049 119	- 36 15	- 17 13	1943
10468	9.0 K0	22 36.40	0.9065 89	59 59 14.1	7.073 121	+ 21 16	- 17 12	2027
10470	9.1 G0	22 40.16	0.9779 79	59 9 3.2	7.078 130	+ 40 14	+ 11 12	2028
10471	8.2 Ma	23 7.48	+0.9485 -84	59 31 11.3	+7.115 +126	- 21 ± 14	- 7 ± 12	2030
10473*	6.6 B8	23 31.06	1.0905 65	57 46 33.4	7.147 145	- 26 13	+ 23 11	1999
10474	9.2 G5	23 35.85	1.1442 58	57 3 51.4	7.154 152	+ 7 13	- 17 11	2001
10476	8.6 K0	23 43.11	1.2143 50	56 5 41.9	7.164 162	0 13	- 17 10	2241
10480	9.1 A3	23 56.61	1.1605 56	56 51 27.6	7.182 155			———
10482	9.1 G5	24 4.93	+1.2877 -42	55 2 6.6	+7.194 +172	- 16 ± 14	+ 83 ± 12	-2149
10485	9.1 F2	24 13.87	1.1498 58	57 0 56.0	7.206 153	+ 17 14	- 24 12	-2243
10486	9.3 A	24 17.92	1.1926 53	56 25 39.7	7.211 159	+ 6 14	- 1 12	2244
10487	7.8 K0	24 19.19	0.9816 81	59 10 30.6	7.213 130	+ 36 14	0 12	2032
10490	8.8 K2	24 26.54	0.9617 84	59 25 10.6	7.223 128	- 16 12	- 2 10	2033

10429 = BDS 13462: 9.3, 10.8, 0".6.

10473 = PGC 4975.

Epochs: Stars 10390 to 10430, 1917.52; stars 10438 to 10486, 1917.08

19^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10492	8.4 F8	24 30.79	+ 1.1788 - 55	56 37 51.0	+ 7.228 + 157	+.035 ± 13	+.024 ± 11	2245
10493	9.3 K0	24 41.82	1.2450 47	55 41 44.6	7.243 166	+ 24 12	+ 18 10	2201
10494	8.8 K0	24 42.58	1.0144 76	58 47 35.0	7.244 135	+ 44 14	+ 95 10	1914
10496	8.5 K5	24 44.94	1.2850 42	55 6 19.6	7.248 172	- 2 14	+ 62 12	2202
10497	8.7 A3	24 46.66	1.1644 57	56 50 28.2	7.250 155	+ 34 14	+ 11 12	2246
10501	9.2 F8	25 14.80	+ 1.0202 - 76	58 44 36.4	+ 7.288 + 136	+ 7 ± 14	- 11 ± 12	1916
10502	8.4 F8	25 17.73	1.0505 72	58 21 63.1	7.292 139	+ 22 14	+ 84 12	1917
10503	9.3 K	25 20.81	1.0185 77	58 46 9.2	7.297 135	- 17 14	+ 6 12	1918
10505	9.0 K0	25 27.74	1.0824 68	57 57 55.6	7.306 144	+ 28 14	+ 17 12	2004
10507	8.7 K0	25 41.68	1.1327 62	57 18 44.4	7.325 151	+ 23 14	- 7 12	2006
10508	9.1 M0	25 47.41	+ 1.2670 - 45	55 25 17.5	+ 7.333 + 169	- 7 ± 14	- 22 ± 12	2204
10509	9.0 K2	26 2.65	1.0979 66	57 47 22.1	7.353 146	+ 51 14	- 5 12	2008
10511	9.0 G5	26 9.57	1.1305 62	57 21 44.4	7.362 150	+ 58 14	- 25 12	2009
10513	8.5 K0	26 24.83	1.0829 69	58 0 6.0	7.383 144	+ 26 14	+ 15 12	- 2010
10515	9.3 G0	26 26.16	1.3020 42	54 55 33.0	7.385 174	- 17 14	- 3 12	2160
10516	9.0 G5	26 29.00	+ 1.0662 - 71	58 13 6.2	+ 7.389 + 142	- 43 ± 14	- 33 ± 12	1919
10517	9.0 A0	26 31.98	1.0024 80	59 1 5.9	7.393 133	- 15 14	0 12	- 1920
10518	8.7 K5	26 36.97	1.0155 79	58 51 39.7	7.400 135	- 38 15	- 10 13	1921
10519	7.7 K5	26 38.81	0.9625 86	59 30 14.7	7.402 127	+ 9 14	+ 12 12	2038
10520	9.4 F8	26 49.11	0.9918 82	59 9 35.4	7.416 131	- 6 14	+ 2 11	2039
10523	9.0 K7	27 5.94	+ 1.2784 - 45	55 18 44.4	+ 7.439 + 170	+ 3 ± 14	- 21 ± 12	2208
10526	8.4 G5	27 23.78	1.1089 66	57 42 17.4	7.463 147	+ 64 14	- 47 12	2013
10527	8.5 K5	27 28.08	0.9287 93	59 56 11.3	7.469 123	- 12 16	- 28 12	2042
10528	6.7 K0	27 31.24	1.2902 44	55 9 22.2	7.473 172	+ 18 12	+ 108 11	2211
10529	8.9 A5	27 32.34	0.9986 82	59 6 33.3	7.475 132	+ 49 16	- 2 12	2043
10533	8.0 F2	27 39.37	+ 1.0605 - 73	58 20 40.1	+ 7.484 + 140	+ 43 ± 13	+ 33 ± 11	1925
10535	9.0 G0	27 40.17	1.2905 44	55 9 26.4	7.485 172	+ 34 14	+ 38 12	2212
10536	9.2	27 41.09	1.1632 60	56 59 20.6	7.487 154	- 2 13	+ 20 10	2249
10537*	6.8 A0	27 42.32	1.2068 54	56 22 53.0	7.488 160	- 4 16	- 12 12	2250
10538	9.1 B5	27 44.18	1.1640 59	56 58 48.3	7.491 154	+ 2 12	+ 10 9	2249
10539	9.5 F	27 45.94	+ 0.9625 - 88	59 33 9.4	+ 7.493 + 127	+ 35 ± 16	+ 15 ± 12	2044
10540	7.6 K5	27 53.34	1.1691 59	56 54 59.1	7.503 155	+ 33 16	+ 13 12	2252
10541	9.1 F0	27 53.24	1.2081 54	56 22 22.5	7.503 160	- 17 16	+ 21 12	2251
10542	8.7 A2	27 57.32	0.9498 90	59 42 43.6	7.509 125	- 7 14	+ 21 11	2046
10543	6.5 A0	27 59.47	1.2433 50	55 52 17.8	7.512 165	+ 6 14	+ 19 12	2213
10546	8.3 K2	28 10.50	+ 1.2810 - 46	55 19 23.8	+ 7.527 + 170	- 2 ± 14	+ 7 ± 12	2214
10548	9.1 G0	28 14.16	1.1778 58	56 48 48.0	7.531 156			2254
10549	8.7 K5	28 17.04	0.9475 91	59 45 10.6	7.535 125	- 4 14	- 30 11	2047
10550	9.0 A5	28 18.52	1.1239 65	57 32 56.6	7.537 149	- 63 14	+ 33 12	2015
10552	8.4 F0	28 28.27	1.0443 77	58 35 7.0	7.551 138	+ 2 14	+ 27 12	1928
10553	8.4 K7	28 32.47	+ 0.9822 - 86	59 21 6.0	+ 7.556 + 129	- 23 ± 14	- 9 ± 12	2048
10554	6.6*	28 34.95	1.2727 47	55 27 57.7	7.559 169	+ 34 16	- 57 12	2215
10556	9.3 G0	28 43.10	0.9874 85	59 17 49.3	7.571 130	- 22 16	- 49 12	2050
10557	8.4 F8	28 43.64	1.2399 51	55 57 18.8	7.571 164	+ 8 14	- 75 11	2216
10558	8.8 K0	28 44.55	1.1200 66	57 37 11.3	7.572 148	+ 32 14	+ 16 12	2017
10559	6.6 K2	28 45.14	+ 1.3047 - 43	54 59 41.4	+ 7.573 + 173	+ 68 ± 12	+ 97 ± 10	2169
10561	9.2 F8	28 47.12	1.1724 59	56 54 48.5	7.576 155	+ 1 14	+ 37 12	2255
10563	9.2 G0	28 51.74	1.0011 83	59 8 15.9	7.582 132	- 16 15	+ 27 13	2051
10564	8.8 F8	28 53.93	0.9604 90	59 37 38.1	7.585 126	+ 21 16	- 7 12	2052
10565	6.7 K0	29 0.70	1.0664 74	58 19 42.5	7.598 140	- 523 17	- 380 14	1929

10537 = BDS 13474: 7.3, 7.8, 0".2. 10554. Spectrum composite: K2, A3. Epoch, 1917.08

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10566	9.0 F5	29 31.46	+0.9753 - 88	59 28 46.5	+ 7.636 + 128	-.029 ± 14	+.092 ± 12	2053
10573	9.2 A3	29 54.90	1.2325 53	56 7 8.5	7.667 163	+ 94 14	- 15 12	2257
10575	9.0 A0	30 10.60	1.1036 70	57 54 9.6	7.689 145	+ 11 14	+ 2 12	2021
10577	9.0 G5	30 15.19	1.2579 50	55 46 1.3	7.695 166	+ 22 14	+ 68 12	2219
10579	8.3 F8	30 29.65	0.9328 96	60 1 19.1	7.714 122	+ 46 14	- 36 12	- 2055
10582	8.9 F0	30 51.24	+1.0060 - 85	59 10 6.2	+ 7.743 + 132	+ 3 ± 14	+ 2 ± 11	2057
10583	9.1 K0	31 1.72	1.0344 81	58 49 38.9	7.757 136	+ 30 16	+ 69 12	1936
10584	8.4 K0	31 2.76	0.9462 95	59 53 31.8	7.759 124	+ 39 16	0 12	2059
10585	7.3 A0	31 3.45	1.0105 85	59 7 24.2	7.760 133	- 42 13	+ 9 10	2058
10586	6.5 K5	31 12.38	0.9473 95	59 53 9.2	7.772 124	- 8 16	- 18 12	2060
10587	9.2 G5	31 12.51	+1.2187 - 55	56 22 43.3	+ 7.772 + 160	+ 2 ± 14	+ 20 ± 12	2260
10588	9.0 K5	31 16.62	1.1597 63	57 12 17.2	7.777 152	+ 24 14	- 1 12	2023
10589	6.5 K0	31 20.19	1.2327 54	56 11 7.6	7.782 162	- 5 14	+ 56 12	2261
10591*	8.8 G5	31 32.96	0.9595 93	59 45 31.0	7.799 126	+ 19 15	+ 3 13	2061
10592	9.3	31 39.83	0.9617 93	59 44 16.1	7.809 126	- 37 13	- 26 11	2062
10594	8.8 G0	31 57.56	+1.1655 - 63	57 9 33.3	+ 7.833 + 153	- 9 ± 14	+ 17 ± 12	2025
10595	9.0 M0	31 58.32	1.1191 70	57 47 2.1	7.834 147	- 16 14	+ 5 12	2026
10596	9.0 A2	32 0.07	0.9409 97	59 59 48.2	7.836 123	- 12 15	- 40 13	2064
10597	8.6	32 0.74	0.9405 97	60 0 6.2	7.837 123	- 18 15	- 27 13	- 2065
10598	9.4 G5	32 14.01	1.2295 55	56 16 27.6	7.855 162	- 8 14	+ 21 12	2266
10599	8.4 K	32 14.52	+0.9594 - 94	59 47 31.7	+ 7.855 + 125	- 15 ± 14	+ 12 ± 12	2066
10601	9.2 K2	32 23.62	1.2402 54	56 7 44.1	7.867 163	0 14	+ 2 12	2267
10602	8.1 F8	32 30.00	1.1426 67	57 29 43.4	7.876 150	+ 7 14	+ 25 12	2029
10604	9.2 A5	32 43.96	1.2790 49	55 34 28.5	7.895 168	+ 6 14	- 22 12	2225
10609	9.1 G5	32 55.07	1.2427 54	56 7 2.2	7.910 163	- 3 14	- 62 12	2269
10610	9.5	33 1.03	+0.9488 - 97	59 57 6.8	+ 7.917 + 124	+ 15 ± 15	- 30 ± 12	2068
10611	9.3 F5	33 6.95	1.0693 78	58 29 7.8	7.925 140	+ 19 16	+ 36 12	1941
10612	9.1 A5	33 8.87	1.1202 71	57 49 37.1	7.928 147	+ 6 13	+ 44 11	2032
10613	8.6 K5	33 8.81	1.2734 50	55 40 48.8	7.928 167	- 4 14	+ 19 12	2226
10614	9.0 K5	33 10.60	1.1111 72	57 56 49.2	7.930 146	+ 22 14	- 4 12	2031
10616	9.0 K0	33 15.61	+1.2061 - 59	56 39 28.8	+ 7.937 + 158	+ 31 ± 14	+ 1 ± 12	2270
10618	9.2 K5	33 20.29	1.1582 65	57 19 31.2	7.944 152	- 23 14	+ 15 12	2033
10620	9.2 A7	33 23.91	1.1948 60	56 49 23.5	7.948 157	+ 34 14	- 5 11	2271
10621	6.7 G0	33 25.80	1.2029 59	56 42 32.8	7.951 158	+ 29 14	- 193 11	2272
10623	9.1 K5	33 30.15	1.0536 81	58 42 9.0	7.957 137	- 33 14	- 18 12	1942
10624	9.0 G5	33 31.51	+0.9828 - 92	59 34 24.5	+ 7.958 + 128	- 11 ± 14	+ 3 ± 12	2072
10626	9.0 G0	33 41.31	0.9879 91	59 31 10.3	7.971 128	+ 12 14	- 4 12	2075
10630	8.9 K2	33 46.15	1.2862 49	55 31 13.8	7.978 168	- 22 14	- 4 12	2227
10632	7.8 K0	33 50.54	1.2207 57	56 28 45.6	7.984 160	+ 18 16	- 22 12	2273
10633	9.3 K0	33 51.77	1.2029 60	56 43 56.1	7.985 157	+ 37 16	- 39 14	——
10634	8.7 F2	33 55.04	+1.0666 - 79	58 33 28.3	+ 7.990 + 139	+ 13 ± 14	+ 2 ± 12	1943
10637	8.7 F0	34 0.31	0.9457 99	60 2 7.4	7.997 123	- 13 14	+ 21 12	- 2076
10639	8.7 M0	34 11.13	1.2840 50	55 34 24.0	8.012 168	- 9 12	- 16 11	2228
10643	8.8 K0	34 28.18	1.1810 63	57 4 8.5	8.034 154	- 15 14	- 18 12	2038
10644	8.4 G0	34 42.95	1.2483 54	56 7 38.2	8.054 163	+ 18 14	+ 14 12	2275
10648	8.9 K0	34 58.78	+0.9892 - 92	59 33 57.9	+ 8.075 + 129	+ 16 ± 16	- 9 ± 12	2079
10650	9.4 A2	35 1.83	1.1753 65	57 10 30.0	8.079 153	- 4 14	- 7 12	2039
10655	9.1 F5	35 8.16	1.2176 59	56 35 18.6	8.088 159	+ 9 14	- 7 12	2276
10656	9.2 G	35 14.95	0.9972 92	59 28 56.0	8.096 130	+ 45 14	- 1 12	2081
10657	9.0 K5	35 16.72	1.2853 50	55 36 39.7	8.099 168	+ 20 14	+ 28 12	2229

10591 = BDS 13487: 9.1, 10.2, 0".7.

Epoch of observation, 1917.08

19h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10658	8.4 K0	35 18.16	+ 1.2573 - 54	56 1 29.5	+ 8.101 + 164	+.037 ± 12	+.003 ± 10	- 2230
10660	8.8 K2	35 29.58	1.0013 92	59 26 43.2	8.116 130	+ 25 16	+ 10 12	2083
10662	9.2 G0	35 38.22	1.1879 63	57 1 57.6	8.127 155	+ 45 14	+ 81 12	- 2277
10663	9.1 G5	35 44.12	1.3245 46	55 2 18.2	8.135 173	+ 18 16	- 38 12	- 2191
10665	8.4 K5	35 46.83	1.0984 76	58 14 25.7	8.139 143	- 32 14	- 1 12	1948
10666	9.0 F5	35 49.12	+ 1.1003 - 76	58 13 7.2	+ 8.142 + 143	+ 10 ± 14	+ 10 ± 12	1949
10667	9.0 A5	35 51.14	1.0503 84	58 51 32.1	8.145 136	- 22 14	0 12	1951
10668	9.1 F2	35 53.70	1.3321 45	54 55 46.4	8.148 174	- 7 17	- 44 15	2192
10669	9.2 A3	35 54.52	1.3289 45	54 58 45.6	8.149 173	+ 20 14	- 56 10	2194
10670	9.3 F2	36 0.13	1.1142 74	58 2 45.2	8.157 145	+ 7 14	- 8 12	1952
10672	8.9 K2	36 9.16	+ 1.1887 - 64	57 2 48.8	+ 8.169 + 155	- 17 ± 14	+ 7 ± 12	- 2279
10673	8.7 G0	36 17.28	1.3192 46	55 8 56.9	8.180 172	- 19 12	- 58 10	2234
10676	9.5	36 26.86	0.9837 96	59 42 9.8	8.192 127	+ 4 14	- 17 12	2087
10677	9.2 K0	36 41.12	1.0052 92	59 27 22.8	8.211 130	0 14	+ 3 12	2088
10679	8.3 K0	36 55.99	1.1902 64	57 3 57.1	8.231 155	+ 51 14	- 7 12	2045
10681	9.1 F5	36 57.48	+ 1.1400 - 71	57 45 4.8	+ 8.233 + 148	+ 12 ± 13	+ 25 ± 11	2044
10683	9.1 G0	37 8.00	1.1586 69	57 30 38.1	8.247 150	+ 12 14	+ 54 12	2046
10684	8.5 K0	37 14.74	1.3332 46	54 59 8.0	8.256 173	- 32 14	+ 15 12	2197
10687	7.3 K5	37 20.34	1.0403 87	59 3 24.6	8.264 134	+ 11 16	- 10 12	2090
10688	9.0 A0	37 20.39	1.3022 49	55 27 48.7	8.264 169	+ 6 14	- 20 12	2239
10689	7.4 K0	37 24.06	+ 1.2922 - 51	55 37 0.7	+ 8.268 + 168	+ 50 ± 13	- 20 ± 11	2240
10690	7.0 A5	37 33.78	1.3005 50	55 30 5.4	8.281 169	+ 61 14	+ 45 12	2241
10692	7.2 A5	37 51.82	1.0023 94	59 32 57.7	8.305 129	+ 35 14	+ 14 12	2092
10693	9.0 F5	37 53.68	1.2694 54	55 58 55.0	8.308 165	+ 3 14	- 28 11	2242
10695	7.8 A0	38 1.35	1.2394 58	56 25 36.0	8.318 161	+ 12 14	+ 7 12	2283
10701	9.0 K7	38 21.00	+ 1.2680 - 55	56 1 39.2	+ 8.344 + 165	+ 3 ± 14	+ 31 ± 12	- 2243
10703	8.9 G0	38 31.68	1.0159 93	59 25 2.6	8.358 131	- 12 16	+ 22 12	2095
10705	9.0 G5	38 40.23	1.2525 57	56 16 17.6	8.369 162	+ 42 11	+ 22 9	2285
10708	9.1 F8	38 44.30	1.1826 67	57 15 55.4	8.375 153	+ 21 16	+ 16 11	2051
10710*	8.9 K0	38 47.48	1.1373 74	57 52 53.2	8.379 147	+ 17 14	+ 8 12	2052
10711	9.3 K5	38 48.74	+ 1.0339 - 90	59 12 37.6	+ 8.381 + 134	+ 26 ± 13	- 17 ± 11	2097
10716	9.0 A0	39 6.37	1.2830 53	55 50 43.7	8.404 166	+ 7 14	+ 15 12	2244
10718	8.5 K7	39 14.01	0.9755 100	59 56 17.1	8.414 126	- 11 14	- 27 12	2099
10720	6.7 Mb	39 18.41	1.3284 47	55 10 4.3	8.420 172	+ 36 14	- 55 10	2245
10721	8.1 K2	39 18.49	1.2180 62	56 47 56.5	8.420 158	- 1 14	- 19 12	2287
10722	9.1 A2	39 21.80	+ 1.3277 - 47	55 10 57.2	+ 8.425 + 172	- 26 ± 16	- 10 ± 14	—
10727	9.0 F5	39 41.17	1.0734 85	58 45 34.9	8.450 138	- 11 16	- 1 12	1961
10728	8.9 K0	39 50.92	1.0649 86	58 52 31.6	8.463 137	+ 4 14	- 18 12	1962
10729	9.3 A3	39 58.25	1.2328 61	56 37 30.6	8.473 159	- 13 13	0 11	2288
10730	8.3 G5	40 5.63	1.0119 95	59 32 40.1	8.483 130	+ 2 14	- 1 12	2100
10732	8.9 G0	40 10.58	+ 1.2187 - 63	56 50 6.9	+ 8.490 + 157	- 89 ± 14	- 159 ± 12	2289
10733	8.9 G5	40 15.52	1.3014 52	55 37 52.0	8.495 168	+ 82 16	- 16 12	2247
10736	8.7 Mb	40 23.60	1.3053 51	55 34 47.4	8.506 169	+ 23 16	- 35 12	2248
10737	9.0 K0	40 24.05	1.0622 87	58 56 16.2	8.507 137	- 70 14	- 65 12	1964
10740	8.5 A0	40 46.24	1.2701 56	56 7 33.9	8.536 164	- 14 14	+ 12 12	2290
10741	6.6 F8	40 49.08	+ 1.1573 - 72	57 43 5.6	+ 8.539 + 149	+ 116 ± 13	- 44 ± 11	2057
10742	8.2 G0	40 51.41	1.3248 49	55 18 36.7	8.542 171	+ 105 14	+ 153 11	2250
10743	9.1 K	40 51.72	1.3282 48	55 15 23.0	8.543 172	+ 18 16	- 34 11	2251
10744	8.7 K2	40 56.63	1.2883 54	55 51 58.2	8.550 166	+ 8 16	- 5 12	2252
10747	6.6 G5	41 6.45	1.2289 62	56 44 29.2	8.563 158	- 1 13	+ 23 10	2291

10710 = BDS 13494: 9.1, 10.8, 0".4.

Epochs: Stars 10658 to 10729, 1917.08; stars 10730 to 10747, 1916.62

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10748	8.8 K7	41 7.75	+1.0455 - 91	59 11 7.8	+8.565 +134	+.022 ± 14	+.013 ± 12	2103
10751	8.7 K5	41 18.22	1.3269 49	55 18 5.6	8.579 171	- 17 14	- 7 11	2254
10753	9.5 F	41 22.35	1.0721 87	58 51 51.1	8.584 137	- 5 14	+ 6 12	——
10755	8.9 G5	41 34.54	1.3289 49	55 17 8.6	8.600 171	- 16 14	- 34 11	2255
10757	8.9 G5	41 44.57	1.0792 86	58 47 34.5	8.613 138	+ 5 14	- 9 12	1967
10759	8.6 Mb	41 46.62	+1.1363 - 76	58 3 4.5	+8.615 +145	+ 68 ± 14	- 14 ± 11	1968
10762	9.1 K7	41 52.96	1.2535 59	56 25 47.2	8.625 161	- 29 14	+ 1 12	2294
10764	8.7 F8	42 2.95	1.1256 78	58 12 26.7	8.637 144	+ 24 14	- 24 12	1969
10765	9.4	42 3.55	1.1148 80	58 20 57.7	8.638 143	+ 5 17	- 37 14	1970
10766	8.8 K2	42 6.37	1.0852 85	58 44 8.0	8.641 139	+ 64 14	+ 3 12	1973
10767	8.9 K5	42 8.80	+1.1072 - 82	58 27 15.1	+8.645 +141	- 18 ± 12	- 21 ± 11	1972
10768	8.9 M0	42 15.36	1.2518 60	56 28 29.3	8.653 161	+ 45 16	- 10 14	2295
10769	7.5 Ma	42 16.23	1.3146 51	55 32 36.4	8.655 169	- 17 14	- 17 12	2257
10772	9.0 G5	42 35.96	1.2554 59	56 26 30.3	8.681 161	- 7 14	- 1 12	2296
10773	9.4	42 37.97	1.3054 53	55 42 11.0	8.684 168	- 9 16	- 36 12	2258
10774	8.4 A3	42 43.84	+1.2137 - 66	57 2 40.7	+8.691 +156	+ 16 ± 14	- 6 ± 12	- 2297
10776	8.4 G0	42 47.99	1.0345 95	59 24 30.5	8.696 132	+ 109 14	- 4 12	2110
10777	9.0 K	42 52.01	1.0286 96	59 29 5.0	8.702 132	+ 42 14	- 9 12	2111
10778	8.1 K5	42 57.49	1.2938 54	55 53 46.4	8.709 166	+ 14 13	+ 13 11	2259
10779	8.5 A0	43 0.90	1.3061 53	55 42 48.9	8.714 168	+ 9 16	- 12 12	2260
10782	7.4 K0	43 12.60	+1.1768 - 72	57 35 5.3	+8.729 +151	- 21 ± 14	+ 96 ± 12	2061
10783	8.3	43 13.88	0.9777 105	60 6 58.7	8.731 125	- 24 13	- 62 11	2006
10784	8.9 K5	43 19.38	1.1596 74	57 49 26.4	8.738 149	+ 10 15	+ 8 11	2062
10785	8.7 K5	43 32.51	1.1113 82	58 28 30.3	8.755 142	0 15	- 22 13	1978
10787	9.2 G0	43 36.36	1.3372 49	55 16 17.8	8.760 172	- 31 16	- 63 12	2261
10788	9.0 K2	43 38.93	+1.3018 - 54	55 48 48.1	+8.763 +167	+ 15 ± 14	- 24 ± 12	2262
10789	9.1 G5	43 41.45	1.0938 85	58 42 34.2	8.767 140	- 41 15	- 44 13	1979
10790	9.1 A7	43 41.84	1.2158 66	57 4 5.5	8.767 156	+ 18 14	- 20 12	2063
10791	9.1 F0	43 42.73	1.2542 60	56 31 17.2	8.768 160	+ 6 16	+ 12 14	2299
10792	8.0 G5	43 47.08	1.0838 87	58 50 34.6	8.774 139	- 31 14	- 8 12	1980
10793	9.1 A7	43 50.74	+1.0699 - 90	59 1 20.9	+8.779 +137	+ 38 ± 14	- 10 ± 12	- 1982
10794	9.2	43 51.27	0.9784 106	60 8 28.9	8.780 125	- 45 15	- 28 13	2010
10795	7.8 G0	43 51.79	1.1442 77	58 3 32.0	8.780 146	+ 10 15	- 14 13	1981
10797	9.1 G0	44 11.14	1.1861 71	57 30 37.0	8.806 152	+ 9 16	+ 28 12	2064
10800	8.8 A0	44 31.41	1.1939 70	57 25 12.1	8.832 153	- 18 14	- 13 12	2065
10803	9.1 G0	44 44.72	+1.0028 - 103	59 53 47.9	+8.849 +127	+ 67 ± 14	- 32 ± 12	2117
10804	9.0 G5	44 44.62	1.2125 68	57 10 26.7	8.849 155	+ 25 16	+ 7 12	2066
10805	8.9 K7	44 44.89	1.2887 56	56 4 21.3	8.850 165	- 34 14	- 24 11	2302
10809	7.6 A2	44 53.09	1.2402 64	56 47 21.4	8.861 159	- 17 14	- 16 12	2303
10810	7.1 K2	44 54.31	1.2532 62	56 36 4.9	8.862 160	+ 5 13	- 66 10	2304
10811	9.0 K0	45 3.28	+1.2161 - 67	57 8 25.6	+8.874 +156	- 14 ± 16	+ 1 ± 12	2067
10812	9.0 K5	45 16.81	1.2328 65	56 55 0.4	8.892 158	- 10 14	+ 7 12	2305
10814	8.5 K0	45 22.24	1.0709 91	59 5 32.2	8.899 136	+ 34 14	+ 7 12	2119
10818	9.0 A3	45 42.27	1.3181 53	55 41 8.1	8.925 168	- 22 12	- 31 10	2265
10819	9.1 F2	45 45.38	1.1070 85	58 39 10.0	8.929 140	+ 3 14	- 23 12	1988
10820	7.7 F8	45 48.92	+1.3365 - 51	55 24 36.5	+8.933 +171	+ 86 ± 14	+ 22 ± 10	2266
10821	7.1 K5	45 55.37	1.2856 58	56 11 12.7	8.942 164	- 2 14	+ 8 12	2306
10824	6.0 G0	46 1.97	1.0728 92	59 6 23.2	8.950 136	+ 27 14	+106 12	2121
10825	8.4 A5	46 2.00	1.3573 48	55 5 56.5	8.951 173	+ 23 16	+ 2 12	2267
10826	9.0 M0	46 6.39	1.2488 63	56 44 3.1	8.956 159	+ 21 16	- 10 12	2308

Epoch of observation, 1916.62

19h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10827	8.8 G5	46 7.11	+ 1.2210 - 67	57 7 52.0	+ 8.957 + 156	+.021 ± 14	-.027 ± 12	2070
10828	9.1	46 9.80	1.0755 91	59 4 40.4	8.961 136	+ 1 14	- 39 12	2122
10831	8.6 K7	46 14.01	1.2605 62	56 34 20.8	8.966 161	- 17 16	+ 7 12	2309
10834	9.0 K2	46 21.30	1.3246 52	55 37 28.7	8.976 169	+ 24 14	- 1 12	2268
10835	9.1 K0	46 22.38	1.1891 72	57 35 27.0	8.978 151	- 36 16	- 28 12	2072
10838	7.7 G0	46 39.62	+ 1.2257 - 67	57 5 41.6	+ 9.000 + 156	+ 21 ± 16	- 82 ± 12	2074
10839	9.0 K	46 42.52	1.0876 90	58 57 15.8	9.003 138	+ 40 14	- 2 12	1989
10842	8.6 K0	46 48.33	1.0458 97	59 29 5.0	9.011 132	+ 35 14	+ 11 12	2123
10845	9.1 G0	47 11.78	1.2953 57	56 6 56.1	9.042 165	- 13 14	- 51 12	2310
10846	9.0 K	47 22.86	1.3278 53	55 38 7.8	9.056 169	+ 8 14	+ 7 12	2273
10847	7.8 K2	47 39.76	+ 1.3599 - 48	55 9 17.3	+ 9.078 + 173	+ 23 ± 14	+ 16 ± 12	2274
10849	9.0 F5	47 49.84	1.2858 59	56 17 37.2	9.091 163	- 15 14	- 32 12	2311
10851	9.0 A3	47 54.65	1.2964 58	56 8 31.2	9.097 165	- 3 12	+ 10 10	2312
10853	9.3 A2	48 7.24	1.2908 58	56 14 14.3	9.114 164	- 22 14	+ 5 12	2313
10856	9.1 A5	48 13.14	1.0589 96	59 24 3.5	9.121 134	+ 13 12	+ 7 10	2126
10857	9:2	48 15.05	+ 1.0595 - 96	59 23 41.9	+ 9.124 + 134	+ 22 ± 12	- 8 ± 10	
10858	9.1	48 16.16	1.0022 107	60 5 42.0	9.125 126	- 18 15	- 52 13	2025
10859	8.5 A2	48 17.44	1.2089 71	57 25 35.0	9.127 153	- 6 13	- 11 11	2076
10865	8.6 A2	48 34.23	1.0049 107	60 4 48.4	9.149 126	+ 12 15	- 41 13	2028
10866	8.7 F8	48 38.27	1.1189 86	58 39 29.4	9.154 141	- 38 14	- 108 10	1994
10867	9.1 F8	48 40.82	+ 1.1942 - 74	57 39 9.6	+ 9.157 + 151	+ 46 ± 14	+ 4 ± 12	2077
10868	8.5 A0	48 51.14	1.1137 87	58 44 20.1	9.171 141	+ 35 14	- 11 12	1995
10870	9.1 A0	48 53.78	1.1187 87	58 40 36.9	9.174 141	+ 84 16	- 16 12	1996
10871	9.3 K2	48 58.52	1.1173 87	58 41 55.9	9.180 141	+ 77 17	- 48 14	1997
10872	9.0 F2	49 11.10	1.0648 96	59 22 50.7	9.197 134	+ 9 13	- 24 10	2129
10873	9.1 A3	49 17.22	+ 1.1037 - 90	58 53 34.3	+ 9.205 + 139	- 35 ± 14	- 22 ± 12	1998
10875	8.9 F8	49 36.89	1.1997 74	57 37 50.0	9.230 151	+ 72 14	+ 25 12	2078
10877	9.3 K2	49 53.85	1.1928 75	57 44 33.4	9.252 150	+ 64 14	+ 21 12	2079
10880	9.2	50 6.80	1.3290 54	55 46 49.4	9.269 168	- 11 12	+ 6 11	——
10882	8.4 K2	50 12.20	1.3300 54	55 46 15.3	9.276 168	+ 19 14	0 12	2275
10883	8.6 K5	50 12.57	+ 1.2215 - 71	57 21 45.3	+ 9.276 + 154	+ 48 ± 14	+ 5 ± 12	2081
10885	8.6 K0	50 14.27	1.2756 62	56 35 12.7	9.278 161	- 6 14	- 20 12	2320
10887	9.0 A0	50 16.32	1.3001 58	56 13 36.4	9.281 164	+ 2 14	+ 12 12	2319
10888	8.3 A2	50 17.06	1.1523 82	58 18 49.6	9.282 145	- 4 14	- 18 12	2004
10890	9.2	50 30.05	1.2337 69	57 12 28.1	9.299 155	- 10 14	0 12	2082
10891*	5.7 B5	50 43.56	+ 1.2354 - 69	57 11 47.5	+ 9.316 + 155	+ 21 ± 12	+ 28 ± 12	2084
10892	7.0 K5	50 43.80	1.1893 76	57 50 19.3	9.317 150	+ 3 13	- 55 10	2085
10893	9.0 A0	51 9.34	1.0947 93	59 7 0.7	9.350 137	- 9 16	- 10 12	2134
10895	9.1 K0	51 16.57	1.3406 53	55 40 25.4	9.359 169	+ 23 14	+ 22 12	2278
10896	8.6 K0	51 18.39	1.1407 85	58 31 42.0	9.361 143	+ 11 14	- 23 12	2007
10897	9.1	51 19.41	+ 1.0667 - 98	59 28 46.6	+ 9.363 + 133	+ 3 ± 13	- 27 ± 11	2135
10898*	6.3 A0	51 21.46	1.0749 97	59 22 45.2	9.365 134	+ 42 13	+ 37 11	2137
10899*	8.8	51 21.19	1.0732 97	59 23 59.0	9.365 134	- 4 13	- 30 11	2136
10901	9.2 K5	51 24.13	1.2368 69	57 13 0.0	9.369 155	+ 5 14	- 5 12	2087
10907	8.4 K5	51 46.20	1.3556 51	55 28 16.9	9.397 170	+ 24 14	- 19 12	2280
10908	9.4 G0	51 53.28	+ 1.2458 - 68	57 7 5.1	+ 9.406 + 157	- 12 ± 14	+ 16 ± 12	2090
10909	8.7 K2	51 53.91	1.1711 80	58 9 24.2	9.407 147	+ 6 12	- 4 11	2008
10916	8.3 K7	52 35.65	1.2143 74	57 36 18.1	9.461 152	+ 3 14	- 5 11	2091
10917	7.4 K2	52 35.91	1.0892 96	59 16 13.1	9.461 136	- 7 15	+ 2 13	2140
10919	8.7 A	52 41.47	1.1170 90	58 55 11.3	9.468 140	- 11 14	- 20 12	2010

10891 = PGC 5097.

10898, 10899: micrometric measures show common proper moton.
Epoch of observation, 1916.62

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
10921	7.9 A2	52 50.92	+1.1021 - 93	59 7 13.1	+9.480 +138	-.003 ± 15	-.036 ± 13	2141
10922	6.6 K0	52 53.44	1.1929 77	57 55 10.0	9.483 150	+ 36 14	- 55 12	2092
10924	8.5 A3	53 13.27	1.0292 108	60 3 4.5	9.509 128	- 2 16	+ 4 12	- 2144
10926	9.4 G0	53 14.99	1.2665 66	56 54 9.4	9.511 159	+ 23 16	+ 12 14	2327
10927	8.6 F5	53 19.41	1.0817 98	59 24 26.4	9.517 135	+ 27 16	- 33 12	2145
10928	8.5 A5	53 21.85	+1.2111 - 75	57 41 51.6	+9.520 +152	- 7 ± 14	+ 43 ± 12	2093
10929	8.8 M0	53 22.92	1.2980 61	56 26 55.6	9.521 162	+ 9 14	- 8 12	2328
10930	8.1 K0	53 23.90	1.2908 62	56 33 23.5	9.523 162	+ 17 13	+ 20 10	2329
10933	9.2 K0	53 30.78	1.2639 66	56 57 26.3	9.532 158	+ 4 14	+ 4 12	2330
10935*	5.0 K2	53 32.25	1.1519 85	58 30 44.3	9.533 144	+ 3 14	- 24 12	2013
10937	9.5	53 33.08	+1.3530 - 53	55 37 20.0	+9.534 +169	+ 18 ± 14	- 4 ± 12	2283
10939	6.4 A2	53 36.14	1.3054 60	56 21 6.9	9.538 163	+ 16 16	- 7 12	2331
10945	9.1 G0	54 1.26	1.2027 77	57 51 10.4	9.570 150	+ 25 13	- 25 11	2094
10946	8.1 G0	54 4.90	1.0820 98	59 26 58.2	9.575 135	+ 69 14	+ 69 12	2148
10947	8.9 Mb	54 6.57	1.0866 98	59 23 36.0	9.577 135	+ 5 16	- 19 12	2149
10949	8.7 K0	54 15.65	+1.1152 - 92	59 2 9.1	+9.589 +139	+ 12 ± 14	- 11 ± 12	- 2014
10950	9.1 F0	54 19.35	1.0747 100	59 33 17.2	9.594 133	+ 14 15	- 33 13	2150
10952	7.3 K0	54 27.01	1.0441 106	59 56 32.2	9.603 130	+ 31 13	+ 4 10	2152
10955	9.0 A0	54 44.62	1.1757 82	58 15 56.5	9.626 146	+ 41 13	- 10 12	2017
10956	8.4 K5	54 47.53	1.1729 82	58 18 24.9	9.630 146	+ 28 13	+ 9 12	2018
10957	8.1 K0	55 9.20	+1.3427 - 55	55 53 2.4	+9.658 +168	- 19 ± 14	- 27 ± 12	2291
10959	8.3 A0	55 12.68	1.3631 52	55 34 16.6	9.662 170	+ 9 14	+ 7 12	2292
10960	8.9 A5	55 20.28	1.3217 58	56 12 57.2	9.672 165	- 16 14	+ 24 12	2334
10961	9.4	55 20.72	1.3612 53	55 36 29.8	9.672 170	+ 36 14	- 20 12	2293
10962	9.3 F2	55 24.15	1.3570 53	55 40 40.9	9.676 170	+ 47 14	- 2 12	2294
10963	8.8 K2	55 25.26	+1.1857 - 81	58 10 19.2	+9.678 +147	- 9 ± 14	- 4 ± 12	2021
10964	8.7	55 27.31	1.0317 110	60 9 10.4	9.681 127	+ 11 15	- 36 13	2056
10969	9.0 F0	55 45.41	1.2157 76	57 46 50.2	9.704 151	+ 29 14	- 21 12	2100
10973	9.4 K2	56 1.85	1.2275 74	57 37 56.6	9.725 152	+ 7 13	+ 8 11	2104
10975	8.8 K5	56 19.08	1.0740 102	59 41 4.6	9.747 132	- 14 16	+ 27 12	2155
10977	9.1 F5	56 21.31	+1.1531 - 87	58 40 5.1	+9.750 +142	- 19 ± 15	+ 10 ± 11	2022
10978	8.9 K5	56 24.72	1.2306 74	57 36 48.4	9.754 153	- 6 13	0 11	2105
10979	7.7 B5	56 27.13	1.2411 72	57 28 2.9	9.757 154	+ 15 14	+ 11 12	2106
10980	8.5 K0	56 37.22	1.1154 95	59 10 37.9	9.770 138	- 30 14	- 27 11	2156
10982	9.0 G	56 51.85	1.1299 92	59 0 17.6	9.789 140	- 84 14	- 46 12	- 2024
10985	8.7 A3	56 57.24	+1.1898 - 81	58 12 45.0	+9.796 +147	- 25 ± 14	- 14 ± 12	2025
10986	8.7 F2	56 59.34	1.3453 56	55 57 43.4	9.798 167	- 41 14	- 17 12	2298
10987	9.0 A3	57 0.19	1.2901 64	56 47 38.7	9.799 160	- 8 14	+ 5 12	2336
10988	9.0 A5	57 3.09	1.2806 66	56 56 12.2	9.803 159	- 9 12	+ 18 10	2337
10989	9.0 A7	57 3.94	1.1177 95	59 10 29.8	9.804 138	+ 26 16	- 31 12	2158
10990	9.1 K5	57 5.40	+1.2788 - 66	56 57 53.3	+9.806 +158	- 23 ± 14	- 7 ± 12	2338
10992*	8.8 F0	57 14.72	1.1234 94	59 6 41.1	9.817 139	+ 17 13	- 25 11	2159
10993*	8.5 F8	57 15.51	1.1015 98	59 23 38.1	9.819 136	+ 16 16	- 32 12	2160
10996	9.0 M3	57 32.10	1.3802 51	55 27 7.4	9.839 171	+ 29 14	- 8 12	2300
10999	9.1 F8	57 39.28	1.2467 72	57 27 49.5	9.849 154	+ 9 14	+ 25 12	2109
11000	8.5 G5	57 40.33	+1.2667 - 69	57 10 42.9	+9.850 +156	- 3 ± 14	+ 30 ± 12	2110
11004	8.9 K0	57 54.86	1.2737 68	57 5 29.2	9.869 157	0 14	- 27 12	2111
11009	9.0 K0	58 19.83	1.3870 50	55 23 52.8	9.900 172	- 1 14	+ 3 12	2304
11012	8.9 A3	58 27.94	1.4047 48	55 7 25.5	9.910 174	+ 13 14	- 12 12	2305
11013	8.5 G0	58 29.92	1.0458 110	60 9 57.0	9.913 128	+ 10 16	+ 22 13	2072

10935 = PGC 5116. 10992 = BDS 9840:9.0,11.0,1".6. 10993 = BDS 9843:8.6,11.1,4".

Epoch of observation, 1916.62

$19^h - 20^h$

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11014	7.8 F0	58 37.88	+1.3718 - 53	55 39 29.4	+ 9.923 + 170	+.035 ± 14	-.003 ± 12	2307
11015	9.1 K0	58 46.01	1.1002 100	59 30 17.2	9.933 135	0 15	+ 70 11	2164
11016	9.0 F5	58 52.19	1.1967 82	58 14 16.2	9.940 147	+ 195 16	+ 15 12	2032
11017	8.8 G5	58 51.66	1.2271 76	57 49 6.1	9.941 151	- 31 14	+ 44 11	2113
11020	7.7 A0	59 8.05	1.2646 70	57 18 9.5	9.961 155	+ 13 14	- 5 12	2115
11021	9.1 A0	59 9.20	+1.2283 - 76	57 49 14.0	+ 9.963 + 151	- 52 ± 13	+ 19 ± 11	2116
11024	8.5 F5	59 16.85	1.3983 49	55 16 54.2	9.973 173	+ 5 14	+ 20 12	2312
11027	9.0 G5	59 29.25	1.3030 64	56 45 53.1	9.988 160	+ 104 13	+ 129 11	2341
11030	9.0 K0	59 31.09	1.3206 61	56 30 14.1	9.991 163	0 14	+ 19 12	2342
11031	8.5 K7	59 34.61	1.3637 54	55 50 50.3	9.995 168	- 1 14	- 2 12	2313
11032	9.2 G0	59 36.15	+1.3834 - 51	55 32 18.4	+ 9.997 + 171			2314
11033	8.9 A0	59 40.14	1.2770 68	57 9 27.7	10.002 157	- 17 ± 14	- 36 ± 12	2118
11035	9.0 A7	59 48.47	1.0965 101	59 36 58.5	10.013 134	- 15 14	+ 3 12	2167
11040	9.1 F5	0 1.53	1.2079 81	58 9 34.1	10.029 148	+ 54 14	+ 4 12	2036
11041	9.2 G5	0 5.38	1.2306 77	57 50 56.2	10.034 151	+ 16 16	- 2 12	2120
11043	8.9 K0	0 5.33	+1.2849 - 67	57 4 13.1	+ 10.034 + 158	- 10 ± 14	- 3 ± 12	2119
11045	7.6 A0	0 14.98	1.3086 64	56 43 55.3	10.046 161	- 15 14	+ 21 12	2344
11047	9.0 A5	0 24.85	1.3441 58	56 12 20.4	10.058 165	0 16	+ 2 12	2345
11048	7.5 K2	0 40.80	1.1257 97	59 17 55.6	10.079 138	+ 6 16	+ 25 11	2168
11049	8.9 F8	0 43.26	1.3504 57	56 7 46.8	10.082 166	- 18 14	- 57 12	2346
11050	8.7 K0	0 45.30	+1.1958 - 84	58 22 19.7	+ 10.084 + 147	+ 41 ± 14	- 11 ± 12	2040
11051	9.1 G0	0 47.87	1.1931 84	58 24 44.5	10.088 146	- 8 14	+ 1 12	2041
11052	8.7 K0	0 48.64	1.2617 72	57 27 15.8	10.088 155	- 8 16	+ 11 12	2124
11053	9.1 A2	0 49.14	1.0843 105	59 50 0.7	10.089 133	+ 21 14	- 11 12	2169
11056	9.3 A0	0 52.65	1.2366 76	57 48 56.3	10.093 152	+ 23 16	- 5 12	2125
11059	8.8 K7	0 59.77	+1.2800 - 69	57 12 7.5	+ 10.103 + 157	- 29 ± 14	+ 4 ± 12	2126
11060	9.0 K0	1 4.04	1.2294 78	57 55 44.2	10.108 151	+ 2 16	- 5 12	2127
11063	8.8 G0	1 32.40	1.1663 90	58 49 15.5	10.144 143	- 30 15	- 39 13	2044
11064	9.0 K7	1 33.75	1.2048 83	58 18 6.8	10.145 147	- 29 15	- 53 13	2045
11065	9.1 F5	1 43.39	1.2519 74	57 39 18.9	10.158 153	- 41 14	- 43 12	2128
11068	7.6 K2	1 46.22	+1.3911 - 51	55 33 53.1	+ 10.161 + 171	+ 21 ± 13	+ 13 ± 10	2317
11069	7.8 K0	1 47.58	1.1306 97	59 18 23.6	10.163 138	- 23 16	+ 6 11	2171
11070	8.3 K2	1 50.59	1.3660 55	55 57 53.5	10.167 167	- 41 14	- 38 12	2318
11071	8.6 A2	1 55.26	1.1936 85	58 28 41.3	10.172 146	+ 7 14	- 12 12	2046
11072	9.1 B8	1 58.02	1.3436 59	56 19 6.1	10.176 164	+ 10 14	0 12	2350
11073	7.3 K0	1 59.91	+1.2810 - 69	57 15 13.3	+ 10.178 + 157	- 14 ± 16	- 36 ± 12	2129
11074	8.7 M0	2 11.55	1.3743 54	55 51 30.8	10.193 168	+ 12 14	- 7 12	2322
11077*	6.3 F0	2 31.12	1.3680 55	55 58 52.5	10.217 167	+ 16 14	+ 115 12	2324
11083	8.8 F2	2 46.44	1.2301 79	58 1 57.6	10.237 150	- 30 15	- 43 11	- 2133
11085	9.2 F8	2 46.93	1.2492 76	57 45 50.1	10.237 152	0 16	- 17 11	2132
11090	8.8 K0	2 53.54	+1.2585 - 74	57 38 20.9	+ 10.246 + 153	- 19 ± 12	+ 1 ± 10	2135
11091	9.3 F8	2 55.81	1.1787 88	58 44 43.8	10.248 143	+ 18 14	- 14 12	2049
11092	8.9 K5	3 9.19	1.2651 73	57 33 43.1	10.265 154	+ 35 14	0 12	2137
11095	9.0 A0	3 17.26	1.3881 53	55 43 0.3	10.275 169	+ 8 14	- 13 12	2326
11096	9.1 F0	3 19.20	1.1574 93	59 3 21.4	10.278 140	- 28 13	- 27 11	2174
11098	9.1 K7	3 23.97	+1.1577 - 93	59 3 24.4	+ 10.284 + 140	- 20 ± 13	- 25 ± 10	2175
11104	8.7 K0	3 56.40	1.3749 55	55 58 9.4	10.324 167	- 30 14	- 11 12	2329
11106	8.8 F3	4 9.24	1.3076 66	57 0 39.0	10.340 159	+ 10 14	- 1 12	- 2353
11108	8.6 K5	4 18.94	1.1589 93	59 6 5.6	10.352 140	+ 24 14	- 7 12	2179
11113	8.5 A	4 31.63	1.4402 46	54 57 44.5	10.368 175	+ 17 14	+ 10 12	2289

11077 = PGC 5161.

Epoch of observation, 1916.62

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
11115	9.2 K7	4 42.25	+1.2590 − 75	57 45 17.3	+10.382 +152	−.016 ± 16	+.016 ± 11	2142
11116	8.0 K2	4 43.76	1.3561 58	56 19 1.8	10.384 164	− 36 14	+ 2 12	2354
11120	9.0 K0	4 56.15	1.3688 57	56 8 8.0	10.399 166	− 25 14	− 7 12	2356
11121	9.0 G0	5 0.17	1.0986 106	59 55 30.9	10.404 133	+ 10 16	+ 41 11	2180
11123	7.3 A0	5 5.70	1.2830 71	57 26 7.7	10.411 155	− 6 14	− 20 12	2144
11125	8.5 M0	5 9.82	+1.3648 − 57	56 12 46.9	+10.416 +165	− 27 ± 14	+ 10 ± 12	2357
11126	9.3	5 13.38	1.1880 89	58 46 26.2	10.420 143	+ 13 14	− 4 12	2058
11127	8.7 A0	5 14.95	1.1881 89	58 46 30.0	10.422 143	+ 12 14	+ 6 12	
11134	8.5 K0	5 43.97	1.1060 106	59 52 44.2	10.458 133	+ 33 16	− 9 11	2181
11136	7.7 G5	5 54.06	1.2173 84	58 25 14.7	10.471 147	− 1 16	− 2 12	2059
11140	9.2 F0	6 21.91	+1.3053 − 68	57 11 50.3	+10.505 +157	+ 10 ± 14	+ 1 ± 12	2148
11142	8.7 K2	6 25.18	1.3624 58	56 20 19.2	10.510 164	− 23 13	− 7 10	2361
11143	8.4 M0	6 26.75	1.2536 77	57 57 1.2	10.511 151	+ 14 14	− 15 12	2149
11144	6.6 K0	6 27.21	1.4058 51	55 39 30.6	10.512 170	− 31 14	− 17 10	2336
11149	7.8 K2	7 5.20	1.3113 67	57 9 35.1	10.559 158	− 4 15	− 6 11	2151
11150	9.1 G5	7 6.90	+1.3494 − 61	56 35 16.2	+10.561 +162	+ 4 ± 14	+ 4 ± 12	2365
11153	7.3 F0	7 18.14	1.1021 108	60 1 59.5	10.575 132	+ 71 12	+ 75 10	− 2185
11155	9.0 A0	7 36.17	1.3863 55	56 2 59.8	10.598 167	− 3 14	+ 12 12	− 2340
11157	9.1 A	7 41.41	1.2082 87	58 40 9.2	10.604 145	− 7 14	+ 1 12	2064
11159	7.3 F5	7 52.21	1.3248 65	57 0 50.9	10.617 160	+ 48 14	+ 34 12	− 2367
11161	9.0 A	8 1.87	+1.2086 − 87	58 41 11.9	+10.629 +145	+ 37 ± 14	+ 7 ± 12	2067
11167	8.8 A0	8 19.41	1.2127 86	58 39 6.0	10.651 145	+ 34 14	+ 9 12	2068
11168	9.4 K	8 21.98	1.1162 106	59 55 35.2	10.654 133	+ 36 14	− 17 12	2187
11170	8.7 G0	8 38.39	1.1456 100	59 34 2.4	10.675 137	− 38 16	+ 2 12	2189
11175	9.3 K5	9 10.65	1.3587 60	56 35 40.3	10.714 163	+ 7 14	+ 17 12	2371
11176	9.1 A3	9 12.25	+1.3623 − 60	56 32 27.8	+10.716 +164	− 10 ± 14	+ 7 ± 12	2372
11177	9.2 K7	9 15.46	1.3716 58	56 24 0.0	10.720 165	− 25 16	+ 27 12	2373
11178	7.9 K2	9 24.55	1.3706 58	56 25 36.8	10.732 165	− 20 14	+ 45 10	2374
11179	7.6 A0	9 30.97	1.3329 65	57 0 39.7	10.739 160	+ 10 14	+ 19 12	− 2375
11181	6.7 F5	9 33.15	1.1698 96	59 18 49.0	10.742 139	+ 33 15	+ 63 13	2193
11182	7.1 G5	9 37.92	+1.1750 − 95	59 14 58.4	+10.748 +140	+ 37 ± 14	+ 3 ± 12	2194
11183	7.9 A0	9 42.41	1.1355 103	59 46 20.6	10.754 135	− 18 15	− 4 13	2195
11184	9.0 F5	9 42.93	1.2127 87	58 44 52.0	10.754 144	+ 6 14	− 10 12	2071
11185	8.5 K2	9 44.13	1.1903 92	59 3 13.0	10.756 142	− 25 14	− 31 12	− 2072
11187	8.0 K0	9 53.09	1.1227 106	59 56 51.5	10.767 134	− 15 15	− 34 13	2196
11189	8.7 A2	10 2.31	+1.4610 − 44	55 1 0.8	+10.778 +175	+ 8 ± 14	− 18 ± 12	− 2308
11191	8.9 K5	10 9.91	1.3311 65	57 5 5.0	10.787 159	− 3 14	− 11 12	2158
11193	9.0 K2	10 19.73	1.1557 100	59 33 11.6	10.799 137	− 5 15	− 15 13	2197
11194	8.9 K7	10 20.84	1.1617 98	59 28 31.6	10.801 138	+ 6 13	− 6 11	2198
11198*	4.3 A3	10 29.89	1.3911 55	56 11 13.0	10.811 166			2376
11199	8.5 F0	10 34.65	+1.1219 − 107	60 0 22.6	+10.818 +133	+ 7 ± 15	+ 20 ± 13	− 2200
11200	9.0 K0	10 35.22	1.1593 99	59 31 26.9	10.818 138	+ 16 15	7 13	2199
11202	9.0 G5	10 38.63	1.1297 105	59 54 37.8	10.823 134	− 28 15	− 33 13	2201
11203	8.8 A7	11 1.92	1.4319 49	55 34 19.9	10.851 171	+ 24 13	+ 14 10	2347
11207	8.8 A3	11 25.40	1.2503 81	58 21 0.0	10.880 149	− 38 14	− 21 12	2075
11210	9.2 F5	11 43.98	+1.4519 − 46	55 17 49.0	+10.902 +173	+ 38 ± 14	+ 25 ± 12	2351
11212	9.2 K0	11 48.75	1.1851 95	59 16 12.3	10.909 141	+ 2 13	+ 10 11	2204
11217	7.7 K2	12 5.77	1.2390 84	58 33 23.4	10.929 147	+ 4 14	+ 2 12	2078
11218	6.7 K0	12 9.69	1.4553 46	55 16 24.2	10.934 173	− 19 11	− 21 9	2352
11219	8.6 G5	12 14.57	1.1862 95	59 17 5.8	10.940 140	+ 54 13	+ 12 10	2205

11198 = PGC 5191.

Epoch of observation, 1916.62

20h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11220	8.5 A2	12 22.52	+ 1.1902 - 94	59 14 30.9	+ 10.950 + 141	+.046 ± 13	+.009 ± 11	2206
11221	8.0 K2	12 28.47	1.2837 76	57 57 3.1	10.957 152	+ 7 14	+ 15 13	2162
11222	7.7 K0	12 32.22	1.4594 45	55 14 3.7	10.962 173	+ 23 17	+ 21 14	2354
11223	8.5 A2	12 34.29	1.3816 58	56 29 23.3	10.964 164	+ 14 12	+ 18 10	2382
11224	9.3 K2	12 35.05	1.4432 48	55 30 16.1	10.965 172	- 13 14	- 1 12	2355
11226	9.0 F8	12 45.21	+ 1.1720 - 98	59 30 38.0	+ 10.977 + 138	+ 26 ± 16	+ 30 ± 12	2208
11229	8.7 K0	13 0.42	1.4315 50	55 43 41.9	10.996 170	+ 1 15	- 7 11	2358
11230	8.7 K0	13 13.63	1.4062 54	56 9 2.6	11.012 167	+ 12 14	- 33 12	2384
11231*	* A0	13 22.11	1.4586 46	55 18 37.9	11.022 + 173	- 3 14	- 46 12	2359
11232	8.5 K0	13 22.84	1.3083 72	57 39 34.9	11.023 155	+ 4 16	- 9 12	2166
11233	9.0 K0	13 25.93	+ 1.3069 - 72	57 41 4.2	+ 11.027 + 155	- 11 ± 16	- 10 ± 12	2167
11235	9.2 K0	13 29.83	1.3288 68	57 21 50.1	11.032 157	- 18 16	- 38 12	2168
11236	8.6 K0	13 33.94	1.1870 96	59 22 9.2	11.037 140	+ 13 16	- 49 12	2209
11239	9.4 A3	13 44.28	1.4014 55	56 16 0.7	11.050 + 66	- 14 14	+ 15 12	2385
11240	9.0 F2	13 48.87	1.1612 102	59 43 43.5	11.055 137	- 26 16	+ 12 12	2210
11241	6.9 K2	13 49.36	+ 1.4399 - 49	55 39 10.0	+ 11.055 + 170	+ 22 ± 15	- 11 ± 11	2360
11242	9.1 A0	13 51.01	1.2800 77	58 6 17.9	11.058 151	+ 17 14	+ 11 12	2083
11244	9.1 K0	13 59.18	1.4385 49	55 41 22.8	11.068 170	+ 6 16	- 32 12	2361
11246	8.2 K0	14 8.00	1.3874 58	56 31 3.4	11.079 164	- 22 14	- 41 12	2388
11253	8.7 G0	14 57.65	1.4347 50	55 49 33.0	11.138 169	+ 49 14	+ 3 12	2365
11254	8.3 A0	15 1.68	+ 1.1964 - 95	59 21 4.6	+ 11.143 + 140	+ 49 ± 15	+ 17 ± 11	2211
11255	8.5 G0	15 10.56	1.4480 48	55 37 32.2	11.154 171	+ 23 14	- 27 12	2365
11256	8.4 K5	15 15.27	1.1547 104	59 54 58.0	11.160 135	0 16	- 18 12	2212
11259	8.9 B8	15 24.18	1.1952 96	59 23 37.4	11.170 140	+ 69 16	- 22 12	2213
11261*	8.6 G5	15 25.35	1.4688 45	55 18 3.1	11.172 173	+ 6 16	- 2 12	2368
11262	9.1 K5	15 25.73	+ 1.2353 - 87	58 51 4.7	+ 11.172 + 145	+ 46 ± 16	+ 13 ± 12	2085
11264	8.5 K0	15 34.21	1.3366 68	57 24 16.6	11.183 157	+ 15 14	- 15 12	2174
11265	7.5 A0	15 36.20	1.2672 81	58 25 3.6	11.185 149	+ 62 14	+ 29 12	2086
11266	8.0 F5	15 50.25	1.4796 43	55 9 6.5	11.203 174	- 30 14	+ 9 11	2370
11267	9.3 F8	16 2.39	1.4161 54	56 12 41.6	11.217 166	+ 8 16	+ 28 12	2393
11268*	9.0 A5	16 16.40	+ 1.1670 - 102	59 49 52.2	+ 11.234 + 136	0 ± 16	- 16 ± 12	2214
11270	9.3 G0	16 21.20	1.4475 49	55 43 34.4	11.240 170	- 9 14	+ 7 12	2372
11271	8.3 K5	16 23.72	1.2227 90	59 5 46.1	11.243 143	+ 4 16	+ 1 12	2215
11272	8.9 F5	16 23.91	1.4477 48	55 43 38.5	11.243 170	- 9 14	+ 6 12	2374
11273	8.8 K0	16 29.21	1.2227 91	59 6 9.3	11.249 143	+ 25 16	+ 20 12	2216
11274	9.0 A0	16 31.77	+ 1.4299 - 52	56 1 36.4	+ 11.253 + 168	- 15 ± 14	+ 12 ± 12	- 2375
11275	8.5 G5	16 32.54	1.4244 52	56 6 57.7	11.254 167	- 32 12	- 51 10	2394
11277	9.5	16 35.87	1.4209 53	56 10 36.8	11.257 167	+ 3 17	- 19 14	2395
11278	8.1 A0	16 38.11	1.4145 54	56 16 59.8	11.260 166	- 7 14	- 2 12	2396
11281	9.1 G0	16 52.94	1.4457 49	55 47 58.8	11.279 169	- 183 14	+ 58 12	2376
11286	9.2 F8	17 12.29	+ 1.4274 - 52	56 7 14.7	+ 11.301 + 167	+ 17 ± 14	0 ± 12	2398
11287	8.5 F8	17 19.57	1.3415 68	57 27 56.5	11.310 156	+ 27 14	+ 8 12	2180
11290	9.0 K7	17 31.22	1.4262 52	56 9 51.0	11.324 167	+ 34 16	- 15 12	2399
11292	8.9 F5	17 32.09	1.4100 55	56 25 29.9	11.325 165	+ 34 14	+ 30 12	2400
11296	8.7 A0	18 9.53	1.2449 87	58 55 25.7	11.370 145	+ 15 14	- 2 12	2093
11299	8.7 F8	18 16.32	+ 1.1635 - 105	60 1 29.5	+ 11.378 + 135	+ 17 ± 15	- 20 ± 11	- 2220
11301	8.3 M0	18 29.58	1.5026 40	54 58 20.5	11.394 175	- 4 14	+ 5 12	2335
11306	8.6 K2	18 45.28	1.1589 106	60 7 14.0	11.414 134	- 47 15	- 46 13	2118
11309	9.3 A0	18 59.59	1.4357 51	56 7 43.3	11.431 167	- 67 15	- 7 11	2404
11311	8.9 A0	19 24.56	1.1633 106	60 6 45.6	11.460 134	- 4 15	- 16 13	2120

11231 = BDS 10093: 9.5, 9.5, 1".7.
11268 = BDS 13529: 9.5, 10.2, 1".

11261 = BDS 10149: 8.7, 11.3, 0".5.
Epoch of observation, 1916.62

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11319	8.9 F8	20 41.43	+1.2262 - 93	59 22 26.4	+11.552 +142	+.041 ± 14	-.033 ± 12	2222
11320	8.7 K0	20 46.13	1.3177 74	58 5 15.9	11.557 152	+ 27 14	- 13 12	2103
11322	8.9 K5	21 4.12	1.2493 88	59 5 12.1	11.579 144	+ 28 14	- 23 12	2223
11325	8.3 A0	21 14.47	1.4902 43	55 24 35.5	11.591 172	+ 22 14	+ 8 12	2391
11326	9.0 K5	21 15.96	1.4761 45	55 38 51.0	11.593 170	+ 3 14	- 62 12	2392
11330	6.9 A0	21 29.87	+1.5132 - 39	55 2 11.4	+11.610 +175	- 1 ± 14	- 29 ± 12	- 2344
11331	9.0 F0	21 35.29	1.3494 68	57 40 59.7	11.616 156	+ 37 14	- 1 12	2189
11332	9.0 K0	21 37.37	1.4553 49	56 1 19.7	11.619 168	- 65 14	- 37 12	- 2393
11334	7.9 K2	21 41.84	1.3304 72	57 58 25.1	11.624 153	+ 44 13	- 82 11	2191
11335	9.0 K0	21 48.68	1.4087 57	56 47 19.0	11.632 162	+ 12 14	+ 12 12	2411
11338	8.1 K0	21 53.22	+1.4021 - 58	56 53 53.5	+11.637 +162	+ 8 ± 14	- 11 ± 12	2412
11342	8.6 G5	22 0.55	1.4337 53	56 24 17.3	11.646 165	- 14 16	- 45 12	2413
11343	8.4 A0	22 3.13	1.1964 100	59 52 46.9	11.649 137	- 4 14	- 4 12	2224
11344	8.7 K7	22 3.87	1.2121 97	59 40 16.9	11.650 139	+ 14 13	- 12 10	2226
11345	8.0 K2	22 7.22	1.5173 39	55 1 6.6	11.654 175	+ 1 14	- 22 12	- 2347
11346	9.0 G0	22 14.65	+1.3949 - 60	57 2 23.2	+11.662 +161	+ 86 ± 14	+ 46 ± 12	- 2414
11347	9.1 G0	22 15.89	1.4093 57	56 48 53.5	11.664 162	+ 39 14	- 104 12	2415
11348	8.3 A0	22 18.29	1.2798 83	58 45 25.8	11.667 147	+ 4 14	+ 2 12	2108
11349	8.6 G5	22 22.50	1.2716 84	58 52 36.6	11.673 146	- 38 16	- 72 12	2109
11350	8.0 A0	22 22.93	1.1934 102	59 56 44.8	11.673 136	+ 2 12	- 2 11	2227
11351*	6.4 A0	22 29.50	+1.2498 - 89	59 11 29.8	+11.680 +143	- 11 ± 15	- 33 ± 11	2228
11352	8.6 A0	22 29.63	1.4095 57	56 49 55.9	11.681 162	+ 15 12	+ 12 10	2417
11353	9.1 K0	22 29.69	1.2381 92	59 21 7.7	11.681 142	- 15 15	- 39 12	2229
11356	8.0 K0	22 42.36	1.1892 103	60 1 30.5	11.696 136	+ 19 15	- 40 11	- 2230
11358	9.1 A2	22 43.44	1.4739 46	55 48 22.6	11.697 169	- 40 12	+ 10 11	2396
11359	7.5 A2	22 44.82	+1.2211 - 96	59 36 10.8	+11.699 +140	+ 9 ± 15	- 51 ± 13	2231
11360	9.3 A2	22 46.28	1.3361 72	57 58 36.8	11.700 153	- 3 14	- 21 12	2195
11361	8.0 M0	22 47.19	1.1872 103	60 3 29.1	11.701 136	+ 33 15	- 29 11	- 2232
11363	8.4 F	22 58.28	1.2729 84	58 54 22.4	11.715 146	- 1 14	- 33 12	2112
11364	8.4 A0	22 59.79	1.4723 46	55 51 24.8	11.716 169	- 7 12	+ 29 10	2397
11365	9.3 G5	23 4.48	+1.3229 - 74	58 11 48.7	+11.722 +151	- 14 ± 14	- 21 ± 12	2113
11366	8.7 A0	23 6.23	1.4877 44	55 36 24.8	11.724 171	- 7 14	- 20 12	2398
11367	9.3	23 10.11	1.3377 71	57 59 9.4	11.728 153	+ 34 17	- 9 14	2198
11368	7.4 A3	23 11.86	1.2116 98	59 46 0.9	11.731 138	+ 31 14	+ 16 12	2234
11369	9.5 F5	23 14.63	1.3372 71	57 59 54.8	11.734 153	- 10 17	- 46 14	2199
11371	8.5 A0	23 16.94	+1.4127 - 57	56 50 44.9	+11.737 +162	- 4 ± 14	+ 8 ± 12	2420
11372*	6.5 A0	23 22.39	1.4517 50	56 13 37.9	11.743 166	- 11 13	+ 30 11	2421
11373	8.9 A0	23 25.13	1.4521 50	56 13 25.4	11.746 166	0 16	+ 9 11	2422
11375*	8.8 A2	23 28.65	1.4721 47	55 53 58.7	11.751 169	- 10 14	- 1 12	2399
11376	8.4 K2	23 29.23	1.2256 95	59 36 3.3	11.751 140	+ 21 16	- 20 12	2236
11378	8.5 K0	23 34.05	+1.2904 - 81	58 42 22.2	+11.757 +147	- 19 ± 14	- 7 ± 12	2115
11380	8.6 F8	23 42.44	1.5165 39	55 10 1.7	11.767 174	+ 13 13	- 7 11	2400
11381	8.1 A2	23 46.78	1.4657 48	56 1 52.7	11.772 168	- 7 16	- 26 12	- 2401
11382	9.3 G	23 49.38	1.2229 96	59 39 50.1	11.775 139	+ 40 17	- 2 15	2237
11384	8.5 A0	23 54.38	1.2756 84	58 56 38.6	11.781 145	- 1 16	- 26 12	2116
11385	8.8 K5	23 54.98	+1.4661 - 48	56 2 8.0	+11.782 +168	+ 2 ± 16	+ 13 ± 12	- 2402
11387	9.0 B9	24 10.73	1.3345 72	58 6 54.6	11.800 152	- 3 14	- 25 12	2119
11388	9.5 K5	24 24.28	1.4835 45	55 47 11.9	11.816 169	- 13 14	- 7 12	2404
11389	8.9 B8	24 31.00	1.5009 42	55 30 10.8	11.824 171	+ 48 14	- 16 12	2405
11394	8.6 A0	24 55.54	1.4811 45	55 52 13.8	11.853 169	+ 76 13	- 2 11	2406

11351 = BDS 10237: 7.0, 7.3, 0".2.
11375 = BDS 10257: 8.9, 11.1, 8"; separated on plates.

11372 = PGC 5250.
Epoch, 1916.22

20h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11395	8.6 A7	25 2.63	+1.4141 - 57	56 58 14.8	+11.861 +161	+.032 ± 14	+.039 ± 12	2427
11396	9.1 A3	25 5.71	1.2195 98	59 48 38.6	11.865 139	- 23 14	- 16 10	2239
11397	8.6 K0	25 7.70	1.4909 44	55 43 26.1	11.867 170	- 11 14	- 11 12	2407
11399	7.3 A0	25 23.77	1.2574 90	59 19 6.0	11.886 142	- 4 13	- 11 11	2240
11401	9.3 F8	25 33.14	1.4638 49	56 12 44.3	11.897 167	+ 26 14	+ 36 12	2429
11404*	8.6 A3	25 50.94	+1.2218 - 98	59 50 22.1	+11.918 +138	- 7 ± 15	- 33 ± 13	2242
11405	8.7 K0	25 52.14	1.4475 52	56 30 17.1	11.919 164	+ 61 14	+ 25 12	2430
11406	9.4	25 53.58	1.3332 74	58 16 31.4	11.921 151	- 29 14	- 40 12	2127
11407	9.1 A5	26 0.77	1.3756 65	57 38 57.3	11.925 156	+ 37 11	- 30 10	2202
11408	8.0 K5	26 9.28	1.3716 66	57 43 19.2	11.939 155	+ 42 12	- 17 10	2204
11409	8.8 K2	26 14.80	+1.2830 - 84	59 1 47.0	+11.946 +145	- 22 ± 14	+ 13 ± 12	- 2128
11410	9.0 F5	26 18.70	1.4837 45	55 57 9.8	11.951 168	- 20 14	- 79 12	2412
11411*	6.1 B9	26 19.81	1.5014 42	55 38 57.9	11.952 170	+ 16 13	+ 17 10	2411
11415	8.9 A0	26 34.52	1.5313 37	55 9 25.5	11.969 174	- 23 16	- 27 12	2414
11418	9.0 F0	26 42.22	1.2633 89	59 20 34.0	11.978 143	- 20 15	- 24 13	2245
11421	7.1 A0	26 47.74	+1.2154 - 100	60 0 10.9	+11.985 +137	- 28 ± 15	- 16 ± 13	- 2246
11423	9.1 K7	26 58.69	1.4572 50	56 26 33.8	11.997 165	+ 25 12	+ 24 10	——
11425	8.8 A3	27 15.60	1.4565 50	56 28 41.6	12.017 165	+ 14 14	+ 16 12	2435
11429	8.4 G5	27 34.22	1.3327 74	58 25 19.4	12.039 151	- 26 14	- 31 12	2130
11431	7.5 K0	27 44.11	1.3706 67	57 52 5.5	12.050 155	+ 29 15	-132 12	2207
11436	8.3 A0	28 8.03	+1.5283 - 38	55 20 41.3	+12.078 +173	- 16 ± 14	- 3 ± 12	2416
11437*	8.7 A0	28 10.03	1.4412 54	56 48 16.8	12.081 162	- 21 14	+ 4 12	2438
11438	8.1 F5	28 11.89	1.4314 55	56 57 52.1	12.082 161	+ 44 14	+ 37 12	2439
11439	8.4 F8	28 11.76	1.4619 50	56 28 14.3	12.084 165	-184 14	-165 12	2440
11440	8.5 G0	28 17.10	1.4820 46	56 8 38.5	12.089 167	+ 28 15	-125 13	2441
11441	8.9 K7	28 16.92	+1.4251 - 56	57 4 17.0	+12.089 +161	- 16 ± 14	- 36 ± 12	2209
11442	8.5 B5	28 21.79	1.5055 42	55 45 23.2	12.094 170	+ 4 14	- 25 12	2417
11444	9.1 M0	28 23.81	1.5184 40	55 32 25.0	12.097 171	- 68 16	- 60 14	2418
11445	8.2 G0	28 24.28	1.2654 90	59 27 9.6	12.097 142	+ 18 15	- 4 13	2251
11446	8.3 K2	28 25.98	1.4289 56	57 1 24.7	12.099 161	+ 27 14	- 11 12	- 2442
11447	7.9 B9	28 28.32	+1.4957 - 44	55 55 55.1	+12.102 +168	+ 21 ± 14	- 16 ± 12	2419
11448	9.3 K7	28 30.02	1.5128 41	55 38 38.8	12.104 170	+ 42 14	- 18 12	2420
11449	9.0 A2	28 35.52	1.5424 36	55 8 24.2	12.110 174	+ 6 14	- 22 12	2421
11450	8.3 A2	28 36.80	1.2761 87	59 19 16.4	12.111 143	+ 43 15	- 16 13	2252
11451*	6.2 K5	28 43.18	1.4717 48	56 21 20.1	12.119 166	- 41 14	- 3 12	2444
11452	9.4 F5	28 48.30	+1.2600 - 91	59 33 37.9	+12.125 +141	- 6 ± 15	- 31 ± 13	2253
11456	9.1 K5	29 11.84	1.4064 60	57 26 38.6	12.152 158	- 5 14	- 31 12	2210
11457	7.6 A0	29 16.31	1.2572 92	59 38 14.8	12.157 140	+ 32 14	+ 7 12	2254
11458	9.3 F8	29 17.08	1.2511 93	59 43 20.2	12.159 140	- 16 15	- 59 13	2255
11459	8.5 A0	29 21.30	1.4152 59	57 19 9.6	12.163 159	+ 23 16	- 29 12	2211
11461	9.2 A2	29 27.30	+1.3860 - 64	57 46 54.9	+12.170 +156	+ 63 ± 14	- 14 ± 12	2212
11463	6.8 F2	29 31.19	1.2322 98	59 59 54.8	12.175 138	+ 22 15	-110 13	2257
11465	8.2 A2	29 34.52	1.5243 39	55 32 31.1	12.179 171	+ 14 12	- 3 10	2422
11466	8.7 A0	29 37.24	1.3468 72	58 23 14.8	12.182 151	0 14	- 12 12	2134
11468	8.2 A2	29 55.89	1.5228 39	55 36 1.6	12.203 171	+ 21 13	+ 3 10	2423
11469	9.0 F2	29 56.81	+1.4533 - 52	56 45 52.4	+12.205 +163	- 6 ± 16	+ 11 ± 12	2447
11472	8.1 A0	30 5.28	1.3082 81	58 59 23.2	12.214 146	+ 22 14	- 9 12	2135
11473	9.0 K0	30 5.34	1.4105 60	57 27 28.7	12.214 158	+ 21 16	- 16 12	2214
11474	8.9 K5	30 17.62	1.3829 65	57 54 6.0	12.229 155	- 19 16	- 20 12	2215
11475	9.1 K0	30 28.20	1.2980 84	59 10 3.2	12.240 145	+ 87 14	- 1 12	2259

11404 = BDS 10291: 8.8, 10.5, 1".
11411 = PGC 5264.
11437 = BDS 13534: 9.3, 9.7, 0".3.
11451 = PGC 5276.
Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11476	9.0 G0	30 28.89	+1.4970 -44	56 5 19.2	+12.242 +167	-.017 ± 14	+.004 ± 12	2449
11477	9.5 G5	30 33.46	1.4741 48	56 28 40.0	12.247 165	+ 26 16	- 7 12	2450
11480	9.1 F8	30 38.80	1.5061 42	55 57 2.3	12.253 168	+ 10 14	+ 7 12	2426
11481	8.5 A0	30 45.36	1.3073 82	59 3 37.8	12.261 146	- 12 14	+ 1 12	-2136
11482	8.7 K0	30 47.86	1.4202 58	57 22 5.6	12.263 159	+ 7 14	- 15 12	2216
11487	9.0 A5	31 14.15	+1.4649 -50	56 41 22.2	+12.294 +163	+ 23 ± 14	+ 7 ± 12	2451
11489	9.1 G0	31 33.06	1.4288 57	57 17 52.7	12.316 159	- 2 14	- 38 12	2218
11491	8.3 B5	31 36.88	1.4165 59	57 29 48.6	12.320 158	+ 13 14	- 14 12	2219
11492	9.1 A3	31 42.68	1.4569 52	56 51 42.8	12.327 162	+ 11 14	+ 1 12	2452
11493	9.2 G5	31 55.15	1.4302 57	57 18 30.8	12.341 159	+ 45 12	+ 30 10	2221
11494	9.1 G0	32 5.71	+1.5150 -41	55 55 39.0	+12.353 +169	+ 4 ± 12	- 47 ± 10	2431
11497	8.7 F0	32 37.30	1.4097 61	57 41 37.1	12.389 156	+ 25 12	+ 10 10	2223
11502	9.3 K2	33 9.32	1.5366 37	55 39 11.7	12.426 170	- 24 14	+ 16 12	2436
11505	8.6 K2	33 28.76	1.3120 82	59 13 35.4	12.448 144	+ 14 14	- 4 10	2264
11506	7.4 A0	33 28.80	1.3430 75	58 46 38.7	12.448 148	- 13 14	+ 35 12	2139
11509	8.0 A2	33 48.28	+1.3510 -74	58 41 15.3	+12.471 +149	+ 20 ± 14	- 1 ± 12	2141
11510	9.1 G5	33 48.54	1.3808 67	58 14 29.9	12.471 152	- 15 14	- 28 12	2140
11514	7.5 K2	34 4.51	1.3333 78	58 58 16.4	12.489 146	+ 17 14	- 1 12	2142
11517	9.5 K	34 18.39	1.3776 68	58 20 9.8	12.505 151	+ 3 14	+ 17 12	2143
11519	9.0 G0	34 23.14	1.5724 32	55 8 9.2	12.510 174	+ 15 12	- 33 10	2440
11520	7.6 K5	34 37.63	+1.3737 -69	58 25 19.0	+12.527 +151	+ 5 ± 14	- 1 ± 12	2144
11522	7.4 G5	34 42.91	1.3648 71	58 33 51.3	12.533 150	+ 1 16	+ 19 12	2145
11523	8.7 F0	34 43.03	1.5254 40	55 59 30.9	12.533 168	- 5 13	- 1 10	2441
11525	8.8 G5	34 43.64	1.4459 54	57 18 38.1	12.534 159	- 41 17	- 56 15	2228
11526	9.5 F	34 46.89	1.5524 35	55 31 40.0	12.537 171	- 4 16	- 7 14	2442
11528*	8.5 A2	34 57.75	+1.5162 -41	56 10 19.3	+12.550 +167	- 6 ± 12	- 3 ± 10	2457
11534	9.1 F5	35 20.27	1.4081 62	57 57 41.8	12.575 154	+ 19 16	- 23 11	2229
11538	7.3 K0	35 27.99	1.3730 70	58 30 26.9	12.584 150	+ 14 16	- 3 12	2148
11539	8.1 A3	35 35.57	1.4716 50	56 58 25.5	12.593 161	0 14	+ 1 12	2461
11540	8.3 F8	35 36.78	1.5214 41	56 8 37.9	12.594 167	- 13 13	- 10 11	2462
11542	6.6 F0	35 46.12	+1.5556 -35	55 33 51.9	+12.605 +171	+ 8 ± 12	- 55 ± 11	2444
11543	8.8 A5	35 49.03	1.5454 36	55 44 50.3	12.608 170	+ 6 12	- 29 10	2445
11546	8.5 A2	36 3.87	1.3728 70	58 33 57.1	12.625 150	- 30 14	- 11 12	2149
11547	8.8 A0	36 9.04	1.4435 55	57 28 47.5	12.631 158	- 3 14	- 13 12	2230
11549	9.2 F8	36 12.52	1.3606 73	58 45 37.7	12.635 149	+ 21 17	- 20 14	2150
11552	9.1 A0	36 25.15	+1.4999 -44	56 34 56.2	+12.649 +164	- 19 ± 16	- 2 ± 12	2464
11553	9.2 A2	36 27.92	1.5477 36	55 46 5.3	12.652 170	+ 4 14	- 19 12	2446
11554	9.4 A2	36 34.81	1.5459 36	55 48 40.5	12.660 169	- 28 16	- 24 14	2447
11555	9.3	36 35.33	1.2663 95	60 8 19.7	12.660 138	+ 1 15	- 29 13	2148
11557	8.8 A	36 46.16	1.3378 78	59 8 42.9	12.672 146	+ 67 16	+ 25 12	2268
11558	9.3	36 47.80	+1.3392 -78	59 7 36.7	+12.675 +146	+ 9 ± 16	- 32 ± 12	2269
11559	9.3	36 48.25	1.3704 71	58 40 3.9	12.675 149	- 43 17	+ 14 14	2153
11560	8.8 A2	36 48.74	1.4867 47	56 50 20.1	12.675 162	+ 50 14	+ 2 10	2465
11561	8.6 A5	36 52.37	1.3626 72	58 47 25.9	12.680 148	+ 5 14	- 25 12	2152
11564	8.8 F2	36 58.17	1.3604 73	58 49 54.2	12.686 148	+ 20 13	+ 4 10	2154
11565	8.1 K7	37 6.33	+1.3867 -68	58 27 0.6	+12.695 +151	+ 8 ± 14	+ 3 ± 12	2156
11566	8.0 A0	37 9.04	1.3323 79	59 15 34.1	12.699 145	- 23 14	- 14 12	2270
11567	8.7 K0	37 13.22	1.5852 30	55 10 27.1	12.704 173	- 36 14	- 53 11	2448
11568	9.0 F8	37 13.99	1.2877 90	59 54 1.0	12.704 140	- 28 15	- 26 13	2271
11569	9.2 F	37 18.96	1.3508 75	59 0 14.6	12.710 147	- 43 12	- 18 11	-2157

11528=BDS 13540:8.6,11.4,2".

Epoch of observation, 1916.22

20h

AG No	Mag Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11571	9.1 K7	37 30.22	+ 1.5980 - 28	54 58 10.5	+ 12.723 + 174	-.024 ± 14	-.038 ± 12	2398
11572	9.0 A	37 35.21	1.5388 38	56 1 45.8	12.728 168	+ 8 16	- 4 12	- 2449
11574*	6.0 F5	37 38.71	1.2792 92	60 3 21.3	12.732 139	+ 51 15	+ 184 13	- 2272
11575	8.8 G5	37 41.66	1.4981 45	56 43 55.8	12.735 163	+ 51 14	+ 38 12	2466
11578	9.1 F2	38 17.90	1.5367 38	56 7 58.8	12.776 167	- 30 14	- 38 10	2469
11583	8.6 A0	38 45.03	+ 1.5367 - 38	56 10 39.9	+ 12.807 + 167	+ 13 ± 16	- 2 ± 12	2473
11584	8.2 K7	38 46.61	1.3774 70	58 44 34.4	12.809 149	- 10 14	- 31 12	2160
11585*	7.1 A3	39 10.56	1.4943 46	56 56 10.1	12.835 161	+ 27 16	0 12	2474
11586	9.0 K5	39 10.56	1.3711 72	58 52 29.1	12.836 148	- 80 12	- 34 11	2161
11587	9.1 F8	39 12.28	1.5207 41	56 29 43.8	12.837 165	+ 37 13	+ 23 9	2475
11588	7.8 K0	39 15.37	+ 1.4721 - 50	57 18 31.8	+ 12.841 + 159	- 23 ± 12	- 9 ± 10	2235
11589	9.0 F0	39 24.73	1.3426 78	59 18 53.2	12.851 144	+ 8 13	- 13 10	2276
11592	8.5 K7	39 33.09	1.4143 62	58 15 10.3	12.860 153	+ 2 12	- 3 10	2162
11594	8.6 A5	39 47.22	1.4890 47	57 4 53.1	12.876 161	+ 1 12	0 10	2237
11596	6.2 A0	39 59.68	1.2874 91	60 9 4.7	12.890 138	+ 20 15	- 40 13	2154
11599	6.7 B3	40 4.63	+ 1.5157 - 42	56 39 46.2	+ 12.896 + 163	+ 3 ± 16	- 3 ± 12	2477
11603	9.1 F5	40 33.78	1.5798 31	55 35 44.5	12.928 170	+ 39 14	- 15 12	2459
11604	9.5 F	40 39.59	1.5075 44	56 51 27.3	12.934 162	+ 61 11	+ 5 9	2479
11605	8.4 K2	40 43.48	1.5928 28	55 22 37.4	12.939 172	+ 8 14	- 61 10	2460
11607	7.7 A0	40 59.46	1.5752 32	55 43 11.3	12.957 170	- 21 14	- 7 12	2461
11608	9.1 F8	41 4.31	+ 1.5443 - 37	56 16 11.7	+ 12.962 + 166	+ 37 ± 13	+ 1 ± 10	2481
11610	5.8 Ma	41 7.50	1.5582 34	56 2 4.6	12.966 168	- 13 14	- 13 12	- 2462
11611	9.2 G5	41 19.23	1.5479 36	56 13 57.9	12.979 166	- 52 19	- 31 11	2482
11613	8.3 F0	41 24.96	1.5618 34	55 59 56.1	12.985 168	- 14 12	- 39 10	2463
11618	8.8 A0	41 41.27	1.3162 85	59 54 9.9	13.003 141	+ 15 14	- 3 12	2280
11619	9.0	41 41.38	+ 1.6191 - 24	54 59 31.7	+ 13.003 + 174	+ 13 ± 14	- 5 ± 12	2411
11620	8.1 K0	41 41.68	1.5434 37	56 20 48.2	13.004 166	+ 12 13	- 11 11	2484
11624	9.1 G	42 12.89	1.4178 62	58 27 2.3	13.038 152	+ 42 14	+ 75 12	2166
11625*	4.8 G0	42 14.72	1.5003 45	57 7 44.8	13.041 161			2240
11626	9.1 A2	42 16.69	1.5355 39	56 32 24.9	13.043 165	- 23 14	- 3 12	2486
11628	9.3	42 17.19	+ 1.5018 - 45	57 6 40.7	+ 13.043 + 161	+ 37 ± 14	+ 29 ± 10	2241
11629	8.8 A0	42 24.68	1.4000 66	58 44 30.8	13.051 150	+ 11 14	- 16 12	2168
11635	7.6 F5	43 10.53	1.5503 36	56 22 31.8	13.102 166	+ 60 14	+ 64 12	2488
11636	9.2	43 13.66	1.3092 88	60 8 39.2	13.106 139	+ 4 15	- 34 13	2160
11637	8.6 F0	43 25.07	1.4229 62	58 29 15.0	13.118 152	- 21 14	+ 1 12	2170
11639	8.4 G0	43 46.97	+ 1.3645 - 75	59 23 59.9	+ 13.143 + 145	- 134 ± 14	- 316 ± 12	2283
11641	9.1 G	43 56.22	1.4441 57	58 12 22.6	13.153 154	- 16 14	+ 45 12	2171
11642	6.7 F8	43 59.03	1.4601 54	57 57 24.2	13.156 155	- 35 16	+ 13 11	2243
11643	9.3 K	44 1.16	1.4166 63	58 38 31.2	13.158 151	- 16 14	- 7 12	2172
11645	8.2 B9	44 9.42	1.6262 23	55 6 31.0	13.167 173	+ 2 14	- 37 12	2468
11646	8.9 B8	44 10.77	+ 1.6093 - 25	55 25 26.6	+ 13.169 + 171	- 37 ± 14	- 13 ± 10	2467
11649	9.3 K2	44 14.85	1.3539 78	59 36 7.3	13.173 143	+ 50 17	- 16 14	2284
11650	7.8 K2	44 18.72	1.3517 78	59 38 23.6	13.177 143	+ 24 14	+ 8 12	2285
11651	8.9 K0	44 30.24	1.6034 26	55 33 49.7	13.190 171	+ 4 14	- 8 12	2469
11653	9.0 F5	44 37.29	1.6074 26	55 30 11.4	13.198 171	- 42 14	- 31 12	2470
11655	9.0 G5	44 40.63	+ 1.5792 - 31	56 1 1.7	+ 13.201 + 168	+ 10 ± 14	+ 10 ± 12	- 2472
11656	8.9 F0	44 41.62	1.6143 24	55 23 3.1	13.203 172	- 22 14	- 18 12	2471
11659	9.0 A5	45 6.16	1.5637 34	56 20 6.0	13.230 166	- 22 14	- 4 12	2489
11660	8.7 F5	45 16.37	1.4781 50	57 47 37.6	13.240 156	+ 17 14	+ 45 12	2248
11662	8.6 F5	45 23.73	1.6197 24	55 21 27.6	13.249 172	+ 6 16	- 16 12	2474

11574 = PGC 5321. 11585 = BDS 10488: 7.5, 8.3, 0".6. 11625 = PGC 5344.

Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
11663	9.2 A	45 29.71	+1.4596 -54	58 6 51.6	+13.255 +154	-.019 ± 14	+.022 ± 12	2174
11664	9.2 G0	45 46.46	1.5705 32	56 16 55.0	13.273 166	+ 7 16	- 7 14	2491
11665	9.0 K5	45 56.19	1.5932 28	55 53 43.1	13.284 169	- 4 13	- 23 11	2475
11667	7.8 K0	46 4.07	1.4527 56	58 16 48.0	13.292 153	+139 14	+115 12	2176
11669	8.4 A0	46 12.76	1.5580 35	56 32 43.0	13.302 164	+ 15 14	- 12 11	2492
11671	6.2 B9	46 17.81	+1.4538 -56	58 17 0.4	+13.308 +153	+ 20 ± 16	- 20 ± 12	2178
11677	7.2 B8	47 1.62	1.5750 32	56 19 51.9	13.355 166	- 3 14	+ 9 12	2495
11681	8.7 K0	47 15.10	1.5643 34	56 32 33.4	13.370 164	- 21 16	- 40 12	2496
11685	7.9 B	47 43.89	1.6508 18	55 1 11.1	13.401 173	- 4 14	- 9 12	- 2429
11688	8.5 A0	47 53.35	1.4294 62	58 49 30.8	13.412 149	- 30 14	+ 10 12	2180
11692	8.8 B5	48 8.64	+1.5667 -33	56 35 32.2	+13.428 +164	+ 1 ± 16	- 21 ± 12	2500
11693	7.8 G0	48 9.88	1.6059 26	55 53 46.2	13.429 169	+ 41 14	- 40 12	2479
11695	8.6 B8	48 33.53	1.5822 30	56 21 50.4	13.455 165	- 31 16	- 7 11	2501
11697	9.2 K5	48 46.02	1.4930 48	57 54 8.3	13.469 156	+ 24 14	- 7 12	2253
11699	9.5	48 52.05	1.6032 26	56 1 6.6	13.475 167	- 19 14	- 23 12	- 2481
11701	9.2 G	49 7.11	+1.3653 -77	59 54 28.4	+13.492 +142	- 11 ± 14	- 33 ± 12	2290
11702	8.2 K7	49 10.13	1.5860 30	56 21 32.8	13.495 165	+ 16 13	- 9 9	2503
11703	8.5 F8	49 12.71	1.3662 77	59 54 10.9	13.498 142	- 25 14	- 45 12	2291
11704	8.9 K2	49 13.44	1.4521 57	58 36 15.5	13.498 151	- 3 14	+ 22 12	2182
11707	7.1 B8	49 23.37	1.6011 27	56 6 44.2	13.509 166	- 20 14	- 8 12	2504
11709	7.0 K0	49 24.80	+1.4798 -51	58 10 58.5	+13.511 +154	- 36 ± 14	- 26 ± 12	2183
11710	9.1 G5	49 26.06	1.3682 76	59 53 42.4	13.511 142	+173 14	- 17 12	2292
11712	9.1 F5	49 32.20	1.6002 27	56 8 38.8	13.519 166	- 20 13	- 44 10	2505
11713	8.6 F8	49 37.15	1.5800 31	56 30 46.8	13.524 164	+ 32 14	- 23 12	2506
11714	9.1 A	49 42.07	1.4690 53	58 23 9.8	13.529 152	- 23 14	+ 11 12	2184
11716	8.9 F5	49 58.67	+1.5540 -36	57 0 16.8	+13.547 +161	+ 10 ± 14	- 43 ± 12	- 2507
11717	9.1 F8	49 59.42	1.6649 16	54 59 29.3	13.548 173	- 34 16	- 15 12	2438
11719	8.5 A0	50 1.82	1.4502 57	58 42 59.0	13.550 150	- 8 14	- 13 12	2185
11720	8.9 A0	50 5.55	1.6178 24	55 52 59.2	13.554 168	+ 25 13	- 10 10	2482
11721	8.8 K5	50 5.84	1.4026 68	59 27 11.3	13.555 145	+ 6 15	- 28 13	2293
11722	8.4 A0	50 6.53	+1.5890 -29	56 24 20.0	+13.555 +165	+ 12 ± 16	- 2 ± 12	2508
11723	8.9 G0	50 10.84	1.5223 42	57 33 47.1	13.560 158	+ 76 14	+ 34 12	2256
11724	6.9 B3	50 30.03	1.6199 23	55 53 16.7	13.581 168	- 15 14	+ 1 12	2486
11728*	6.5 A2	50 40.54	1.4469 58	58 49 59.2	13.591 149	+ 81 14	- 33 12	2187
11729	9.0 A	50 41.57	1.5299 41	57 29 23.5	13.593 158	+ 20 17	+ 45 14	2259
11730*	6.5 A0	50 42.58	+1.5759 -31	56 42 1.3	+13.594 +163	- 9 ± 15	- 1 ± 13	2509
11732	9.4 A	50 50.60	1.4742 52	58 25 10.9	13.603 152	+ 21 14	- 10 12	2188
11733	9.0 A0	50 56.51	1.5384 39	57 22 20.1	13.609 159			2261
11736	9.2 G0	51 3.91	1.5732 32	56 47 11.2	13.617 162	- 46 17	+ 16 14	2510
11739	9.0 A	51 20.57	1.4605 55	58 41 14.9	13.634 150	+ 63 14	+ 20 12	2189
11740	7.7 K2	51 21.26	+1.5513 -36	57 11 43.6	+13.635 +160	+ 26 ± 14	+ 15 ± 12	2262
11745	8.4 A0	51 53.80	1.5980 27	56 26 7.4	13.670 164	+ 10 13	- 5 10	2512
11747	8.7 G5	52 0.21	1.6690 15	55 7 53.3	13.677 172	- 13 13	- 24 10	2488
11748	7.3 K5	52 38.76	1.4139 66	59 32 32.9	13.718 144	- 42 15	- 20 13	2296
11749	8.6 K0	52 43.94	1.5366 39	57 35 27.3	13.724 157	- 20 14	- 28 12	2264
11750	9.4 K5	52 44.53	+1.4919 -49	58 19 54.8	+13.724 +153	+ 18 ± 14	- 7 ± 12	2190
11754*	8.6 A0	52 51.97	1.4752 52	58 36 47.6	13.732 151	+ 6 14	+ 12 12	2191
11756*	6.0 B3	52 56.55	1.6058 26	56 24 25.2	13.737 165	+ 21 12	+ 25 10	2515
11760*	8.0 B8	53 20.40	1.6061 26	56 26 43.2	13.762 164	+ 24 16	- 5 12	2516
11764	9.4 G0	53 36.46	1.6723 14	55 14 42.2	13.779 172	+ 47 12	+ 26 10	2491

11728 = BDS 10618: 7.0, 7.5, 0″.2.
11730 = BDS 10619: 6.5, 10.7, 6″.
11754 = BDS 10641: 9.0, 10.0, 0″.8.
11756 = PGC 5394.
11760 = BDS 10649: 8.7, 8.8, 0″.2.

Epoch of observation, 1916.22

20h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11765	9.5	53 37.55	+ 1.6249 - 22	56 8 4.8	+ 13.780 + 166	+.025 ± 16	-.010 ± 12	2517
11767	9.3 K7	53 40.38	1.6124 24	56 22 7.0	13.784 165	- 44 13	- 23 11	2518
11768	9.1 G5	53 42.24	1.6110 24	56 23 48.8	13.786 165	+ 5 13	- 23 10	
11770	9.0 K5	53 50.94	1.4975 48	58 21 28.0	13.795 153	- 9 14	+ 24 12	2192
11771	9.0 A0	53 54.54	1.4516 58	59 5 36.2	13.799 147	- 17 15	- 35 13	2298
11772	8.9 F5	53 56.94	+ 1.6749 - 13	55 13 53.4	+ 13.801 + 172	+ 33 ± 11	- 23 ± 9	2493
11773	8.9 K0	53 59.79	1.6850 11	55 2 36.2	13.804 173	+ 73 14	+ 27 12	- 2451
11776	7.2 A0	54 5.83	1.5006 47	58 20 1.6	13.811 153	- 5 14	+ 3 12	2193
11781	8.3 K2	54 15.78	1.5508 38	57 30 51.3	13.821 158	- 25 16	+ 9 11	2268
11783	6.7 F0	54 17.48	1.6887 11	55 0 12.7	13.823 173	+ 5 14	- 1 12	- 2452
11785	9.1 A	54 29.79	+ 1.4425 - 60	59 17 48.1	+ 13.836 + 146	- 35 ± 15	- 42 ± 13	2300
11787	9.0 A	54 31.06	1.5039 46	58 19 25.9	13.837 153	- 12 14	+ 2 12	2194
11789*	7.5 A0	54 33.12	1.5033 46	58 20 17.1	13.839 153	- 2 14	- 3 12	2195
11790	7.2 F0	54 33.45	1.6573 16	55 38 8.2	13.840 169	+ 19 16	- 34 12	2494
11792	9.1 G0	54 51.49	1.4739 53	58 50 33.2	13.859 149	+ 12 14	+ 2 12	2196
11795	9.5	54 54.31	+ 1.6519 - 17	55 46 33.9	+ 13.862 + 168	- 13 ± 13	+ 2 ± 11	——
11796	7.4 A0	54 56.79	1.6842 11	55 9 53.9	13.864 171	+ 4 12	+ 2 10	2495
11797	8.4 K5	55 0.92	1.6533 17	55 45 42.9	13.869 168	- 6 14	+ 41 12	2496
11798	8.7 K0	55 6.78	1.5470 37	57 40 12.5	13.875 157	+ 26 14	+ 18 12	2269
11799	9.4 A2	55 7.89	1.4199 66	59 42 27.2	13.876 143	- 21 15	- 23 13	2303
11802	7.8 K2	55 13.31	+ 1.5011 - 47	58 26 39.6	+ 13.882 + 152	+ 24 ± 15	+ 12 ± 13	2197
11803	9.3	55 29.14	1.5000 47	58 29 25.1	13.898 152	+ 4 15	- 20 13	2198
11806	8.9 A0	55 41.76	1.4905 49	58 40 3.1	13.912 150	+ 15 14	- 1 12	2200
11808	9.0 F5	55 49.15	1.4044 70	60 0 45.3	13.920 142	- 35 15	- 11 13	- 2305
11809	6.4 K2	55 59.98	1.6753 13	55 27 10.7	13.931 170	+ 26 14	- 41 12	2497
11811	9.4 A0	56 11.92	+ 1.6979 - 9	55 2 20.4	+ 13.943 + 172	+ 15 ± 14	- 1 ± 12	- 2455
11812	9.1 B9	56 17.82	1.6979 9	55 2 57.9	13.949 172	+ 60 14	- 15 12	- 2457
11814*	5.0 K2	56 20.78	1.4771 52	58 57 2.0	13.952 148	+ 83 16	+ 13 12	2201
11818	9.1 A5	56 41.07	1.4547 58	59 20 16.6	13.974 146	+ 2 17	- 45 15	2306
11819	9.5 G	56 45.01	1.5874 29	57 9 5.6	13.978 160	+ 6 14	- 17 12	2270
11821	9.0 G0	56 52.59	+ 1.6514 - 17	56 0 17.3	+ 13.986 + 167	+ 33 ± 14	+ 2 ± 12	- 2499
11824	8.5 K2	56 54.31	1.6895 10	55 16 59.2	13.988 171	- 26 19	- 7 13	2500
11828	8.6 G5	57 7.60	1.4826 51	58 56 49.3	14.002 148	- 35 16	- 24 12	2204
11829	8.6 F5	57 8.42	1.6633 15	55 48 43.9	14.002 168	+ 19 16	- 15 12	2503
11831	8.1 A0	57 25.04	1.5345 40	58 7 55.4	14.020 154	- 7 14	- 21 12	2205
11833	9.4 K5	57 29.82	+ 1.5036 - 46	58 38 56.8	+ 14.025 + 150	- 1 ± 14	- 17 ± 12	2206
11837	9.1 A2	57 48.78	1.6403 18	56 19 1.6	14.045 164	- 8 14	+ 11 12	2522
11838	9.3 G	57 49.59	1.4844 51	58 59 38.7	14.045 148	- 19 14	- 7 12	2208
11839	7.9 A0	57 51.94	1.6702 13	55 45 48.5	14.048 167	+ 28 13	+ 11 10	2506
11841	6.4 B8	58 31.46	1.6305 20	56 34 45.0	14.089 163	- 7 14	+ 29 12	2523
11842	8.2 B9	58 36.08	+ 1.5923 - 28	57 16 20.4	+ 14.094 + 159	+ 23 ± 14	+ 33 ± 10	2273
11848	8.8 G0	59 13.63	1.5688 32	57 45 4.5	14.132 156	+ 64 12	+ 8 10	2274
11849	9.1 F5	59 14.56	1.5037 47	58 50 21.2	14.134 150	- 14 14	- 33 12	2215
11850	9.1 G5	59 20.00	1.4459 60	59 45 30.7	14.139 144	- 51 17	- 41 15	2309
11851	9.2 A0	59 30.15	1.6935 9	55 30 15.0	14.149 169	+ 63 14	- 18 12	2509
11852	8.6 A0	59 30.72	+ 1.5883 - 28	57 26 44.5	+ 14.150 + 158	+ 30 ± 13	+ 21 ± 11	2275
11853	8.9 F0	59 35.84	1.4606 57	59 33 41.8	14.156 145	- 47 15	- 12 13	2310
11854	9.0 A0	59 36.88	1.5714 32	57 44 59.9	14.157 156	- 12 16	- 23 11	2276
11855	8.4 K5	59 46.94	1.6463 17	56 25 54.2	14.167 164	+ 24 13	+ 37 10	2525
11857	9.2 F0	59 56.80	1.5218 42	58 37 19.9	14.177 151	- 3 14	+ 1 12	2216

11789 = BDS 10660: 7.9, 8.8, 0".4.

11814 = PGC 5412.

Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
11858	8.9 A5	59 58.42	+1.6504 -16	56 22 39.8	+14.179 +164	+.043 ± 14	-.018 ± 12	—
11859	9.4 K0	0 7.26	1.4931 49	59 6 19.7	14.188 148	+ 16 15	- 48 13	2311
11861	9.1 A7	0 15.45	1.6730 12	55 59 6.6	14.196 166	+ 24 14	- 22 12	2510
11865	8.3 M0	0 29.57	1.4601 57	59 40 1.3	14.211 144	- 29 15	- 13 13	2312
11867	8.6 K7	0 31.71	1.5977 26	57 23 40.9	14.213 159	+ 11 14	- 3 12	2277
11868	8.6 A0	0 40.28	+1.6242 -21	56 56 17.8	+14.222 +161	0 ± 14	+ 16 ± 12	2526
11869	8.7 K5	0 44.92	1.5800 30	57 43 50.0	14.227 157	+ 17 16	+ 63 12	2279
11870	8.6 F2	0 44.00	1.5022 47	59 1 43.4	14.226 149	0 14	+ 9 12	- 2218
11871	8.6 F8	1 0.43	1.6467 17	56 33 58.0	14.243 163	- 35 14	- 31 10	2527
11872	9.2 A2	1 1.72	1.6818 10	55 54 30.1	14.244 166	+ 8 13	+ 6 11	2513
11873	7.6 A0	1 13.17	+1.7249 - 3	55 5 19.4	+14.256 +171	+ 8 ± 13	+ 4 ± 10	2514
11874	9.4 F5	1 13.54	1.6487 16	56 33 15.2	14.256 163	- 14 16	+ 58 13	—
11875	9.2 A	1 16.30	1.5336 40	58 34 27.5	14.259 152	+ 10 14	+ 11 12	2220
11877	7.8 A0	1 22.51	1.6849 10	55 53 19.1	14.265 167	- 3 14	+ 9 12	2515
11878	8.1 A0	1 24.06	1.5674 33	58 1 18.6	14.267 155	+ 41 16	+ 57 12	- 2281
11880	7.8 F0	1 29.98	+1.6867 - 9	55 52 13.0	+14.273 +167	- 16 ± 14	+ 21 ± 12	2517
11881	8.1 A0	1 30.20	1.6914 8	55 46 44.2	14.273 167	+ 15 13	+ 6 11	2516
11883	6.8 F5	1 33.56	1.4617 57	59 45 30.4	14.276 144	+ 25 13	- 12 11	2313
11886	9.4 F8	1 45.19	1.5456 37	58 25 48.5	14.289 152	- 8 14	+ 27 12	2221
11895	9.1 F8	2 10.19	1.7276 2	55 8 54.1	14.314 170	+ 80 14	+ 49 12	2521
11899*	8.9 A3	2 33.23	+1.4537 -59	59 59 28.9	+14.338 +142	- 24 ± 15	- 13 ± 13	2315
11900	9.4 A5	2 40.25	1.5514 36	58 26 12.9	14.345 151	+ 14 14	+ 10 12	2223
11905	9.0 F2	2 53.87	1.4819 52	59 35 33.3	14.359 144	- 38 15	- 24 13	2316
11908	7.4 A0	3 14.96	1.5252 42	58 56 13.9	14.380 148	+ 5 14	- 9 12	2226
11909	9.0 G	3 16.91	1.6958 7	55 54 17.0	14.382 166	- 23 12	- 4 10	—
11912	9.6	3 27.57	+1.6109 -23	57 29 56.8	+14.393 +157	+ 21 ± 16	- 5 ± 13	2284
11914	8.8 K0	3 35.97	1.7000 6	55 51 42.6	14.401 167	+ 6 17	- 18 14	2525
11915	9.0	3 37.05	1.4554 59	60 4 58.0	14.402 142	+ 26 15	- 44 13	2200
11916	9.1 A2	3 42.19	1.5138 44	59 10 21.9	14.407 147	+ 54 15	- 19 13	2319
11920	7.7 A0	3 47.40	1.5013 47	59 23 8.0	14.413 146	- 1 15	+ 33 13	2320
11921	9.2 A0	4 3.47	+1.7332 0	55 15 44.1	+14.429 +170	- 5 ± 14	+ 3 ± 12	2526
11922	8.8 M0	4 6.73	1.6012 -25	57 44 48.0	14.432 156	+ 41 14	+ 22 12	2286
11923	9.0 G5	4 9.07	1.5936 27	57 53 8.2	14.435 155	+ 7 14	+ 19 10	2285
11924	8.7 F8	4 12.02	1.4628 57	60 2 8.0	14.438 142	- 28 13	- 3 11	- 2322
11927	8.8 F2	4 23.11	1.6475 16	56 56 47.5	14.449 160	+ 19 13	+ 21 10	2532
11932	7.7 A0	4 51.58	+1.7212 - 2	55 35 52.6	+14.478 +167	+ 18 ± 14	+ 4 ± 12	2529
11933	7.0 B	4 52.22	1.7243 - 2	55 32 20.8	14.478 167	+ 43 13	0 10	2530
11938	9.4 F2	5 28.46	1.4885 -51	59 46 47.6	14.515 143	- 25 15	- 9 13	2323
11940	7.4 F8	5 43.61	1.6697 -11	56 41 42.6	14.530 162	+ 33 14	+ 24 12	2533
11942	7.5 B9	5 50.33	1.7479 + 3	55 11 3.0	14.537 169	+ 8 12	- 6 12	2534
11943	9.1 K7	5 54.91	+1.7217 - 2	55 43 4.8	+14.542 +166	- 9 ± 14	0 ± 12	2535
11945	9.0 K2	6 9.74	1.7489 + 3	55 12 15.1	14.557 169	+ 7 12	0 10	2536
11946	9.0 B9	6 15.26	1.6757 -10	56 38 46.9	14.562 162	- 14 14	+ 24 12	2536
11948	9.0 F2	6 18.49	1.6509 -15	57 6 50.2	14.565 159	+109 14	+ 66 12	2289
11952	7.9 A2	6 34.20	1.6455 -16	57 14 43.4	14.581 159	+ 26 14	+ 20 12	2290
11953	8.8 F5	6 44.85	+1.6027 -24	58 1 54.8	+14.592 +154	+ 41 ± 14	+ 41 ± 10	- 2291
11955	8.4 G5	6 59.10	1.5826 29	58 24 33.6	14.606 152	+ 6 14	+ 12 12	2231
11957	9.0 A2	7 2.28	1.5436 38	59 4 20.8	14.609 148	- 14 14	- 9 12	- 2232
11959	9.0 G0	7 6.78	1.6805 9	56 39 38.3	14.614 162	+ 15 14	+ 72 12	2537
11962	7.6 K5	7 13.29	1.5067 46	59 41 31.3	14.620 144	+ 31 15	- 21 13	2327

11899 = BDS 10759: 9.3, 10.2, 0".3.

Epoch of observation, 1916.22

21h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
11963	8.9 G0	7 15.82	+ 1.4902 - 50	59 57 24.2	+ 14.622 + 142	+.040 ± 15	-.042 ± 13	2326
11965	8.8 G5	7 23.72	1.7075 4	56 10 37.5	14.630 164	+ 29 13	+ 36 10	2538
11966	8.8 G5	7 28.04	1.6315 18	57 36 27.1	14.635 156	+ 50 14	+ 7 12	2293
11970	9.2 K0	7 45.33	1.5181 44	59 34 15.2	14.652 145	+ 48 15	+ 4 13	2330
11971	8.9 B2	7 49.38	1.5100 46	59 42 33.4	14.656 144	- 13 15	- 15 13	2331
11973	9.0 F5	7 53.71	+ 1.5770 - 30	58 36 47.1	+ 14.660 + 150	+ 2 ± 14	+ 7 ± 12	2233
11974	7.6 B8	7 56.69	1.6620 12	57 6 29.2	14.663 159	+ 8 14	- 13 12	2295
11975	9.0 K2	8 9.45	1.5305 41	59 25 8.4	14.676 145	- 23 15	+ 2 13	2332
11976	9.0 A0	8 11.19	1.5796 29	58 36 8.9	14.678 150	+ 3 14	+ 9 12	2234
11977	7.4 A2	8 21.75	1.6185 - 21	57 56 53.5	14.688 154	+ 35 16	+ 31 12	2296
11978	7.2 A2	8 23.14	+ 1.7417 + 3	55 37 35.8	+ 14.690 + 167	- 10 ± 13	+ 38 ± 11	2540
11979	8.8 K5	8 28.61	1.6291 - 19	57 46 20.4	14.695 155	- 22 14	+ 12 12	2297
11980	8.6 B3	8 29.09	1.5312 - 40	59 26 40.3	14.696 145	+ 12 13	- 11 11	2333
11981	8.8 B3	8 30.86	1.7132 - 2	56 12 17.5	14.697 164	- 22 14	- 8 12	2540
11983	9.6 G0	8 39.20	1.7198 - 1	56 5 36.4	14.706 165	0 14	- 14 12	2541
11985	7.8 A2	8 43.10	+ 1.7532 + 5	55 26 10.4	+ 14.709 + 168	+ 24 ± 14	- 8 ± 12	2541
11986	9.4	8 43.14	1.5304 - 41	59 29 5.8	14.709 145	+ 12 15	- 11 13	2336
11987	8.6 K5	8 44.37	1.6075 - 23	58 11 9.7	14.711 153	- 12 15	- 39 13	2235
11988	8.5 K7	8 46.88	1.5489 - 36	59 11 22.1	14.713 147	+ 3 13	- 20 11	2337
11990	9.0	8 50.36	1.5971 - 25	58 22 45.8	14.717 152	- 4 15	- 17 13	2236
11991	8.2 B3	8 51.43	+ 1.5967 - 25	58 23 21.4	+ 14.718 + 152	+ 2 ± 15	- 9 ± 13	2237
11996	9.5	9 3.74	1.7747 + 8	55 2 17.2	14.730 169			- 2493
11997	9.2 F0	9 5.32	1.6567 - 13	57 20 46.0	14.731 158	+ 4 13	+ 5 11	2299
11998	9.2 K5	9 16.59	1.5901 - 27	58 33 11.8	14.742 151	+ 77 15	- 13 13	2238
12000	9.4 K	9 31.55	1.5033 - 47	60 0 54.8	14.758 142	- 23 15	- 23 13	- 2341
12001*	7.0 Ma	9 36.30	+ 1.5309 - 40	59 34 56.8	+ 14.762 + 145	- 6 ± 15	- 6 ± 13	2342
12002	8.6 K0	9 38.97	1.6500 14	57 32 15.3	14.765 157	- 4 16	+ 7 12	2300
12004	8.7 G0	9 46.47	1.7001 4	56 37 2.6	14.772 161	+ 14 13	+ 36 10	2542
12006	9.4 A3	9 47.54	1.6304 18	57 54 34.8	14.773 154	- 25 16	- 9 12	2301
12008	8.2 K2	9 57.22	1.6197 20	58 7 14.1	14.783 153	- 8 15	+ 3 13	2239
12009	9.0 K0	9 57.89	+ 1.6278 - 18	57 58 34.5	+ 14.783 + 154	+ 25 ± 16	- 21 ± 12	2302
12010	8.8 G5	9 59.54	1.6017 - 24	58 26 25.5	14.785 151	- 19 14	+ 14 12	2240
12012	9.0 F0	10 8.06	1.7643 + 7	55 23 21.3	14.793 167	- 14 14	- 30 12	2542
12013*	6.6 A0	10 39.81	1.6436 - 15	57 46 46.9	14.825 155	+ 3 14	+ 6 12	2303
12015	9.2 B9	10 52.95	1.6473 - 14	57 44 23.9	14.838 155	+ 1 14	+ 9 12	2304
12016	7.0 K5	11 1.39	+ 1.7212 0	56 21 52.4	+ 14.846 + 162	- 14 ± 14	+ 18 ± 12	2547
12018	9.0 A5	11 2.63	1.7600 + 7	55 35 32.4	14.847 166	+ 51 14	+ 1 12	2544
12019	9.4 A7	11 2.82	1.7521 + 6	55 45 11.9	14.847 165	+ 8 14	+ 19 12	2543
12020	8 8 G5	11 5.15	1.7582 + 7	55 38 10.1	14.849 166	+ 10 14	+ 19 12	2545
12023	7.4 A0	11 25.78	1.7916 + 13	54 59 22.5	14.870 169	+ 10 14	- 12 12	2499
12024	8.5 B0	11 30.19	+ 1.5655 - 32	59 14 29.2	+ 14.874 + 147	- 4 ± 14	+ 4 ± 12	2344
12026	8.6 K0	11 37.55	1.6291 18	58 9 32.5	14.881 153	- 13 14	+ 16 12	2241
12027	8.4 F0	11 52.01	1.5175 44	60 4 3.9	14.896 142	- 37 15	- 31 13	- 2346
12033	9.1 A0	12 28.95	1.7035 3	56 53 37.8	14.931 159	- 3 14	+ 40 12	2550
12036	9.0 B8	12 41.05	1.6562 - 12	57 48 11.5	14.943 155	+ 50 14	+ 21 12	2307
12044*	6.1 K2	13 30.25	+ 1.7910 + 14	55 16 25.1	+ 14.991 + 167	+ 9 ± 12	+ 6 ± 10	2549
12045	9.2 F5	13 42.97	1.6072 - 22	58 48 16.0	15.003 149	+ 20 14	+ 8 12	2246
12046	7.3 B9	13 49.73	1.7458 + 6	56 14 18.7	15.010 163	+ 24 12	- 8 11	2551
12047	8.8 A5	13 51.57	1.5516 - 35	59 45 26.4	15.012 143	+ 1 14	- 49 12	2347
12048	6.5 B3	13 52.94	1.6489 - 13	58 5 13.0	15.013 153	+ 15 14	+ 5 12	- 2309

12001 = PGC 5458. 12013 = BDS 10854: 7.4, 7.4, 1″. 12044 = PGC 5472.

Epoch of observation, 1916.22

21h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12049	9.1 M2	13 56.24	+1.6737 - 8	57 38 24.2	+15.016 +155	+.095 ± 13	+.023 ± 11	2310
12050	9.0 K0	13 59.75	1.5879 26	59 10 9.4	15.020 147	- 12 15	- 14 13	2348
12051	9.4 A2	14 5.22	1.5712 30	59 27 44.5	15.025 145	- 9 13	+ 7 11	2349
12053	9.1 B0	14 18.14	1.5660 32	59 34 31.0	15.037 145	+ 23 15	- 13 13	2350
12055	8.6 A0	14 21.80	1.7202 + 1	56 48 46.9	15.041 160	- 11 16	+ 10 12	2554
12057	8.8 G5	14 37.81	+1.7933 +14	55 22 23.4	+15.055 +166	+147 ± 14	+ 79 ± 12	2551
12060	9.1 F2	14 57.33	1.8077 +17	55 6 46.1	15.075 167	- 20 14	- 30 12	2553
12065	9.5 F8	15 19.88	1.7811 +13	55 43 12.7	15.096 164	+ 20 14	- 20 12	2554
12067	8.9 K0	15 21.32	1.5516 -35	59 56 36.8	15.098 142	+ 20 15	- 5 13	2352
12069	8.0 B9	15 24.81	1.6424 -14	58 23 54.9	15.101 151	+ 5 14	+ 3 12	2248
12070	8.5 A2	15 34.10	+1.6031 -23	59 6 23.3	+15.110 +147	+ 44 ± 15	- 26 ± 13	2354
12073*	5.8 *	15 48.23	1.6620 -10	58 5 43.1	15.124 153	- 24 14	+ 8 12	2249
12075	6.7 K2	15 55.12	1.6790 - 6	57 47 50.2	15.130 154	+ 40 14	+ 38 12	2312
12077	8.7 K5	15 59.81	1.5861 -26	59 27 2.0	15.135 145	+ 18 15	- 14 13	2356
12078	7.0 K0	16 0.25	1.7879 +14	55 40 11.4	15.135 165	+ 50 14	+ 56 12	2560
12080	7.8 A0	16 1.10	+1.6487 -12	58 21 46.5	+15.136 +151	- 20 ± 15	- 17 ± 13	2250
12084	9.3 G5	16 13.33	1.6492 -12	58 22 44.3	15.147 151	+111 15	+ 39 13	2251
12086*	9.2 A	16 27.47	1.6635 - 9	58 9 6.9	15.161 152	- 25 15	- 51 13	
12087	7.3 K0	16 33.88	1.7773 +13	55 57 52.9	15.167 163	+ 31 14	+ 15 12	2561
12088	9.1 A3	16 38.23	1.8176 +19	55 7 43.2	15.172 167	- 25 14	- 18 12	2562
12094	7.8 K5	17 0.10	+1.5545 -34	60 6 0.7	+15.192 +141	+ 11 ± 16	- 39 ± 13	2223
12096	9.0 F2	17 5.00	1.8268 +21	54 59 24.6	15.197 167	+ 75 14	+ 12 12	2520
12098	9.0 K7	17 5.91	1.5612 -32	60 0 15.8	15.198 142	- 35 15	- 25 13	- 2357
12100	6.6 F5	17 11.73	1.5525 -34	60 9 23.8	15.203 141	+ 30 16	- 26 13	2224
12103	8.7 A	17 19.41	1.5681 -31	59 55 6.8	15.211 143	- 2 13	- 19 11	2359
12105	7.5 A0	17 22.90	+1.7804 +14	56 0 36.6	+15.214 +163	+ 6 ± 14	- 17 ± 12	- 2565
12107	8.6 G5	17 27.25	1.6465 -12	58 35 13.4	15.218 150	- 24 14	- 56 12	2253
12112	8.4 G5	17 44.10	1.6523 -11	58 31 9.6	15.234 150	+ 19 14	- 3 12	2255
12113	9.0 K5	17 48.95	1.5900 -25	59 36 56.3	15.239 144	- 5 15	- 26 13	2360
12117	8.8 B8	18 6.74	1.5856 -26	59 43 38.9	15.256 144	- 29 15	- 11 13	2361
12118	9.2 F0	18 7.42	+1.8272 +22	55 7 24.7	+15.256 +167	+ 21 ± 13	- 56 ± 12	2566
12120	7.8 F5	18 17.72	1.5676 -31	60 2 56.6	15.266 142	+ 50 15	- 19 13	- 2362
12121	8.6 A0	18 26.86	1.7808 +14	56 8 48.3	15.275 162	- 2 14	+ 5 12	2560
12122	8.1 K5	18 29.51	1.7486 + 9	56 48 2.7	15.277 159	+ 36 14	+ 9 12	2561
12123	8.0 K2	18 29.79	1.8314 +23	55 5 9.8	15.277 167	+ 6 13	0 11	2567
12124	8.8 F5	18 30.13	+1.7320 + 5	57 7 44.3	+15.278 +157	+ 33 ± 14	+ 36 ± 12	2316
12125	9.1 A5	18 36.07	1.7946 +17	55 52 54.8	15.283 163	+ 12 14	+ 26 12	2568
12126	8.3 K0	18 40.15	1.7394 + 7	57 0 27.7	15.287 158	+ 70 14	+ 32 12	- 2562
12127*	8.0 G5	18 42.43	1.7384 + 7	57 1 50.0	15.289 158	+132 14	+ 38 10	- 2564
12131	8.9 B3	18 50.83	1.7916 +17	55 58 43.4	15.297 162	- 8 14	- 4 12	2569
12132	8.3 K0	18 52.36	+1.7770 +14	56 16 53.6	+15.299 +161	+ 40 ± 14	+ 1 ± 12	2565
12135	8.5 B8	19 5.40	1.8338 +24	55 6 55.1	15.311 166	- 15 13	- 9 11	2570
12137	7.8 K5	19 15.18	1.8300 +23	55 13 17.3	15.320 166	+ 28 14	+ 39 12	2571
12139	8.2 F0	19 23.53	1.7372 + 7	57 8 51.7	15.328 157	- 17 14	- 11 12	2317
12140	9.0 A5	19 41.69	1.6705 - 6	58 26 50.7	15.345 150	- 5 14	- 17 12	2258
12141	9.2 A0	19 43.10	+1.8343 +24	55 11 33.0	+15.347 +165	+ 6 ± 14	- 13 ± 12	2572
12143	9.0 F8	19 45.63	1.8322 +24	55 14 37.9	15.349 165	- 1 14	- 29 12	2573
12149	9.0 B3	20 11.69	1.6255 -16	59 18 52.8	15.373 145	- 16 15	- 5 13	2368
12150	7.1 K0	20 14.99	1.7300 + 6	57 24 13.0	15.377 155	- 22 16	- 25 12	2318
12153	9.5 B9	20 21.93	1.6034 -22	59 43 0.4	15.383 143	+ 21 13	- 46 11	2370

12073 = PGC 5481 = BDS 10925: 5.8, 10.1, 4".5; spectrum composite: K0, A0.
12086 = BDS 10934: 9.2, 9.3, 13"; separated on plates. 12127 = BDS 10964: 8.3, 9.5, 0".4.

Epoch of observation, 1916.22

21h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12154	8.4 A7	20 31.01	+1.8451 +26	55 4 5.9	+15.391 +166	+.010 ± 14	-.013 ± 12	-2532
12155	8.6 K5	20 34.02	1.7399 8	57 15 17.4	15.394 156	- 14 15	- 29 13	2319
12157	8.7 B5	20 36.91	1.8106 21	55 49 24.7	15.397 163	0 14	- 26 12	2575
12158	8.3 A0	20 36.99	1.8232 23	55 33 23.2	15.397 164	+ 6 14	+ 14 12	2576
12159	8.5 A0	20 38.38	1.7228 5	57 35 45.4	15.398 154	+ 70 16	+ 27 12	2320
12161	8.7 G0	20 39.78	+1.8161 +22	55 42 51.7	+15.399 +163	+102 ± 17	+ 14 ± 14	2577
12162	8.3 K2	20 42.38	1.7575 +12	56 55 39.2	15.402 157	- 5 12	+ 55 10	2569
12164	8.3 K0	20 48.48	1.6447 -12	59 3 32.0	15.408 147	+ 30 15	+ 6 13	-2261
12165	8.3 K2	20 50.08	1.6356 -14	59 13 19.9	15.409 146	+ 35 15	- 20 13	2371
12168	9.2 F8	20 57.22	1.7517 +11	57 4 28.8	15.416 157	+ 25 14	+ 10 12	-2570
12170	9.0 A0	20 59.69	+1.6468 -11	59 2 43.1	+15.418 +147	+ 43 ± 15	- 30 ± 13	-2262
12171	8.9 G0	21 0.36	1.7074 + 2	57 56 15.2	15.418 152	+110 16	- 30 12	2321
12172	9.3 G5	21 3.87	1.6372 -13	59 13 23.4	15.422 146	+ 52 17	- 27 15	2372
12176*	9.1 A5	21 15.27	1.7564 +12	57 1 23.9	15.432 157	+ 55 14	+ 24 12	-2571
12180	9.0 K7	21 23.26	1.8384 +26	55 20 15.0	15.440 165	+ 3 14	- 36 12	2581
12181	7.2 F8	21 25.68	+1.7311 + 7	57 32 34.3	+15.442 +154	+142 ± 16	+ 89 ± 12	2322
12184	8.2 K5	21 36.13	1.7280 + 6	57 37 36.4	15.452 154	+ 14 13	+ 19 11	2323
12186	8.8 K2	21 45.86	1.6120 -19	59 45 8.6	15.461 143	- 3 15	- 34 13	2374
12189	9.5 A	21 57.13	1.7242 + 6	57 44 53.6	15.472 153	+ 8 15	- 35 13	2325
12190	7.5 A0	21 57.85	1.7270 + 6	57 41 40.8	15.472 154	+ 9 14	- 41 12	2326
12192	9.4	22 2.54	+1.5935 -23	60 6 11.2	+15.477 +141	+ 2 ± 16	- 36 ± 13	2239
12195	8.4 K5	22 19.53	1.8534 +29	55 8 35.0	15.493 165	- 29 14	- 34 12	2585
12196	9.0 A3	22 25.72	1.8276 +25	55 43 4.1	15.498 162	+ 57 14	+ 12 12	2586
12197	7.8 K2	22 25.48	1.8159 +23	55 58 1.7	15.498 161	0 14	+ 4 12	2587
12198	9.2 A3	22 26.28	1.6290 -15	59 33 0.3	15.499 144	- 18 15	- 23 13	2376
12199	8.4 K0	22 33.13	+1.7066 + 2	58 9 48.4	+15.505 +151	+ 47 ± 15	- 43 ± 13	2263
12200	9.1 B8	22 35.46	1.6261 -15	59 37 13.4	15.507 144	- 7 15	- 14 13	2377
12203	8.3 K0	22 50.40	1.7779 +17	56 48 44.0	15.521 158	+ 7 13	- 4 10	2574
12204	9.4 B5	22 50.59	1.6456 -11	59 18 50.8	15.521 145	+ 1 15	- 33 13	2378
12205	9.1 K2	22 58.44	1.7741 +16	56 54 24.5	15.528 157	+ 36 13	- 16 10	2575
12209	9.0 A2	23 9.94	+1.8360 +27	55 38 24.5	+15.539 +162	+ 30 ± 14	- 17 ± 12	2591
12210	8.0 K0	23 12.32	1.8631 +31	55 3 6.5	15.541 165	+ 22 14	- 76 12	-2538
12212	8.6 B0	23 23.75	1.8364 +27	55 39 53.7	15.552 162	- 6 14	- 26 12	2593
12213	9.2 F0	23 34.05	1.6240 -16	59 47 10.0	15.561 143	+ 24 15	- 62 13	2379
12214	9.2 B9	23 38.94	1.6642 - 6	59 5 31.5	15.566 147	+ 4 15	- 21 13	-2267
12217	8.4 K2	23 46.75	+1.6131 -18	60 0 4.2	+15.573 +142	+ 22 ± 15	- 50 ± 13	-2380
12219	9.0 B5	23 50.77	1.6513 - 9	59 20 51.7	15.577 145	- 24 14	- 28 12	2381
12220	8.3 K0	23 57.43	1.7870 +19	56 46 46.9	15.582 157	+198 14	-105 12	2578
12222*	6.6 Ma	23 58.13	1.6602 - 7	59 12 22.4	15.583 146	- 13 15	- 25 13	2383
12224	8.7 B2	24 2.06	1.6860 - 1	58 45 1.1	15.587 148	- 22 14	+ 3 12	2268
12229	8.8 K0	24 12.28	+1.7364 + 9	57 49 27.2	+15.596 +153	+ 14 ± 14	- 21 ± 12	2330
12231	9.4 A5	24 28.66	1.7373 +10	57 50 40.5	15.611 153	+ 19 17	- 2 14	2331
12233	9.1 A7	24 34.75	1.7551 +13	57 30 44.1	15.617 154	+ 49 14	+ 51 12	2332
12234	7.7 K0	24 35.19	1.8360 +28	55 50 44.7	15.617 162	- 9 13	- 3 11	2595
12238	8.8 F8	24 55.26	1.8552 +31	55 28 36.0	15.635 163	+ 33 14	+ 14 12	2596
12244	8.9 B3	25 1.97	+1.6403 -11	59 42 9.3	+15.642 +143	+ 4 ± 15	- 14 ± 13	2384
12250	8.2 K0	25 19.34	1.8266 +27	56 9 10.4	15.657 160	+ 17 14	+ 24 12	2580
12251	7.4 B	25 22.14	1.7257 + 8	58 11 34.5	15.660 151	- 10 14	+ 16 12	2272
12258	8.4 F2	25 56.84	1.8075 +24	56 38 41.1	15.692 157	+ 1 13	- 29 10	2581
12259	8.5 K2	26 7.69	1.7968 +22	56 53 35.2	15.702 156	- 14 14	0 12	2582

12176 = BDS 10990: 9.3, 10.8, 0".5. 12222 = BDS 11011: 6.6, 10.9, 12", separated on plates.

Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12260	8.9 B5	26 11.12	+1.7788 +19	57 16 2.6	+15.705 +155	-.013 ±15	-.016 ±12	2334
12261	7.2 B8	26 21.25	1.6433 -10	59 49 48.0	15.714 142	+11 15	-19 13	2387
12262	9.5	26 21.52	1.7815 +19	57 14 14.4	15.714 155	-8 17	-30 14	2335
12263	8.8 A	26 29.86	1.7592 +15	57 42 6.9	15.722 152	-1 16	+10 12	2337
12265	7.6 K2	26 45.21	1.8733 +35	55 20 38.3	15.735 163	+38 13	-4 11	2597
12266	8.9 A	26 46.37	+1.7579 +15	57 46 0.1	+15.737 +152	+15 ±14	+29 ±12	2338
12267	8.8 K5	26 51.35	1.8711 +35	55 24 28.1	15.741 162	+15 14	+16 12	2598
12269	9.0 B9	26 52.40	1.6423 -10	59 55 8.6	15.742 141	-18 15	-39 13	2390
12270	9.4 A2	26 54.58	1.7039 +4	58 49 6.3	15.744 147	-16 14	+3 12	2276
12271	9.2 B8	26 55.82	1.6834 -1	59 11 50.2	15.745 145	-2 15	-12 13	2391
12272	8.3 K7	26 56.36	+1.7142 +6	58 37 51.1	+15.746 +148	-10 ±17	+28 ±15	2277
12273	8.6 B2	26 59.01	1.8145 +26	56 39 0.2	15.748 157	-2 14	+9 12	2584
12276	9.2 K5	27 8.87	1.7880 +21	57 13 7.3	15.757 155	+12 16	-15 12	2340
12277	8.8 A0	27 11.97	1.8280 +28	56 23 42.7	15.760 158	+5 14	-13 12	2585
12278	9.0 B3	27 15.81	1.6504 -8	59 49 52.2	15.763 142	-7 15	-30 13	2393
12283	6.8 K0	27 26.77	+1.7053 +4	58 51 58.6	+15.772 +146	+148 ±15	+37 ±13	2279
12284*	5.7 B0	27 33.50	1.6483 -8	59 54 30.7	15.779 141	+1 13	-13 11	2395
12285	8.8 F5	27 37.84	1.7673 +18	57 42 14.4	15.783 152	+26 16	+8 12	2342
12287	9.1 B3	27 42.68	1.7857 +21	57 20 51.6	15.787 154	-17 15	-3 12	2343
12289	7.0 B0	27 52.52	1.8063 +25	56 57 3.3	15.796 155	-19 14	+6 12	2589
12290	9.5 F8	27 57.04	+1.7452 +13	58 11 1.7	+15.800 +150	-40 ±14	-2 ±12	2280
12296	8.4 A5	28 20.37	1.7546 +15	58 3 22.2	15.821 151	+28 16	+26 12	-2344
12298	8.2 K0	28 43.67	1.8106 +26	56 59 7.4	15.842 155	-20 14	-19 10	2590
12299	7.9 B8	28 47.38	1.7074 +6	59 1 9.2	15.845 146	-5 14	+2 12	-2282
12303	9.2 A3	29 14.41	1.8222 +29	56 49 6.2	15.869 156	+12 16	-9 12	2593
12306	9.0 M0	29 31.91	+1.8622 +36	56 0 17.2	+15.885 +159	+20 ±14	+2 ±12	-2600
12314	8.2 A2	29 58.22	1.7876 +23	57 38 24.0	15.908 152	+18 14	+9 12	2349
12316	9.0 B9	30 5.52	1.8321 +31	56 44 16.2	15.915 156	-14 14	+6 12	2594
12317	9.0 K0	30 7.67	1.8952 +41	55 21 23.8	15.917 162	+18 17	-6 14	2601
12319*	7.3 A0	30 8.84	1.6762 -1	59 46 45.9	15.918 142	-1 15	-2 13	2396
12320	9.0 A2	30 13.08	+1.9012 +43	55 14 3.4	+15.921 +162	+50 ±14	+22 ±12	2602
12321	8.5 F0	30 20.78	1.7253 +11	58 54 28.0	15.929 146	-9 14	+8 12	2288
12322	8.8 B	30 28.55	1.6701 -2	59 56 1.8	15.935 141	+11 15	-11 13	2398
12323	8.9 K5	30 36.75	1.7991 +26	57 30 3.8	15.943 152	-19 14	+19 12	2351
12326	9.0 G5	30 40.22	1.8707 +38	55 59 22.1	15.946 158	+13 14	+6 12	2604
12328	9.0 F5	30 46.63	+1.7279 +11	58 55 18.3	+15.951 +145	-9 ±14	0 ±12	2289
12329	8.7 A0	30 50.76	1.7519 16	58 28 23.7	15.955 148	+6 15	-8 13	2290
12330	8.8 A0	30 52.17	1.8287 31	56 55 30.0	15.956 154	+19 13	+6 10	2595
12332	9.0 F0	30 54.01	1.7483 16	58 33 3.0	15.958 147	-9 15	+3 13	2291
12333	8.6 F0	30 56.04	1.7486 16	58 32 57.0	15.959 147	+47 15	+5 13	
12343	9.2 A	31 49.72	+1.9078 +45	55 19 46.8	+16.007 +161	-11 ±14	-25 ±12	2606
12344	9.5 A	31 51.76	1.9082 45	55 19 34.9	16.008 161	+79 16	+25 14	
12345	8.2 B8	31 54.06	1.8368 34	56 54 30.9	16.011 154	+26 12	-13 10	2598
12355	9.0 B3	32 50.61	1.8421 35	56 56 29.6	16.060 154	+8 14	+2 12	2604
12356	8.1 K7	32 51.49	1.9283 49	55 0 47.0	16.061 162	-43 14	-21 12	-2582
12359	8.6 B5	32 57.86	+1.8391 +35	57 1 22.5	+16.067 +154	+22 ±16	+2 ±12	-2605
12361	8.8 G0	33 4.96	1.9132 47	55 23 59.6	16.073 160	+32 14	-25 12	2608
12363	8.6 B2	33 12.78	1.8144 30	57 34 43.4	16.080 152	-10 11	-8 10	2354
12364	9.1 A7	33 17.80	1.8424 35	57 0 10.2	16.084 154	+26 16	+10 12	-2606
12365	9.0 K5	33 23.18	1.7207 11	59 26 11.4	16.089 143	+20 15	-29 13	2403

12284 = PGC 5535. 12319 = BDS 11076: 7.4, 10.2, 1".5. Epoch, 1916.22

21h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
12366	9.0 G0	33 31.78	+ 1.7262 + 13	59 21 17.7	+ 16.096 + 143	-.011 ± 15	-.106 ± 13	2404
12367	8.9 A	33 33.82	1.9250 49	55 12 5.1	16.098 160	- 8 16	- 23 12	2610
12369	8.9 A	33 34.73	1.9246 49	55 12 45.6	16.099 160	+ 25 16	- 44 12	2611
12370*	9.2 F2	33 37.86	1.7746 23	58 26 29.3	16.101 147	+ 46 15	+ 20 13	2298
12371	9.0 A0	33 40.48	1.8776 42	56 17 50.8	16.103 156	+ 61 14	+ 13 12	2608
12372	9.3 G0	33 49.16	+ 1.8728 + 41	56 25 29.5	+ 16.111 + 155	+ 29 ± 13	- 53 ± 11	2609
12377	7.4 A0	33 55.06	1.7892 26	58 11 44.7	16.116 148	+ 1 15	- 22 13	2300
12378	8.6 A0	33 59.40	1.7544 19	58 53 19.2	16.120 145	- 26 15	- 42 13	2301
12379	9.2 F5	33 59.73	1.8778 42	56 20 35.9	16.120 156	+ 28 14	+ 2 12	2611
12385	8.8 K5	34 29.21	1.8661 41	56 40 40.1	16.146 154	+ 19 14	+ 4 12	2613
12386	7.2 B9	34 31.31	+ 1.8785 + 43	56 24 35.6	+ 16.148 + 155	- 12 ± 14	- 21 ± 12	2614
12387	9.0 B3	34 32.33	1.7734 23	58 36 13.7	16.149 147	- 36 15	- 34 13	2302
12389	8.9 M0	34 39.02	1.8707 42	56 36 6.3	16.154 155	+ 3 14	- 11 12	2616
12391*	7.6 A0	34 43.89	1.9318 51	55 13 37.1	16.159 160	+ 25 12	- 6 11	2612
12392	8.8 B3	34 46.59	1.8624 40	56 48 10.2	16.161 154	+ 32 13	- 2 11	2615
12401	8.7 B8	35 9.03	+ 1.8841 + 44	56 23 5.4	+ 16.180 + 155	+ 9 ± 15	- 4 ± 13	2618
12403	8.6 K0	35 29.92	1.8544 40	57 5 15.7	16.198 153	- 11 14	- 27 12	- 2619
12404	8.2 K0	35 30.87	1.8440 38	57 18 43.9	16.199 152	- 2 15	- 4 13	2359
12405	8.8 B5	35 32.62	1.8705 42	56 44 47.1	16.201 154	+ 13 15	+ 15 13	2621
12406	8.5 A0	35 32.82	1.9028 48	56 1 41.5	16.201 157	+ 4 14	- 7 12	- 2613
12407	8.6 B3	35 34.39	+ 1.8628 + 41	56 55 4.1	+ 16.202 + 153	+ 3 ± 16	- 10 ± 11	2620
12410	9.1 G0	35 35.43	1.7710 24	58 48 29.9	16.203 145	+ 17 15	- 39 13	2304
12415	8.8 F5	35 55.60	1.8296 36	57 40 45.3	16.220 150	+ 17 13	- 7 11	2360
12417	9.2 B8	36 4.78	1.8610 41	57 2 16.7	16.228 153	- 3 14	- 9 12	——
12423	9.2 B2	36 42.28	1.7254 14	59 50 38.4	16.260 141	- 7 15	- 29 13	2408
12425	6.5 K0	36 51.55	+ 1.7616 + 23	59 11 3.0	+ 16.268 + 143	+ 28 ± 15	+ 19 ± 13	2409
12429	8.9 K2	37 4.96	1.8896 47	56 34 8.9	16.279 154	+ 58 14	+ 31 12	2624
12432	9.4 F0	37 25.80	1.7402 18	59 40 36.0	16.297 141	+ 9 15	- 41 13	2410
12435	9.0 F0	37 49.88	1.9523 57	55 14 28.1	16.318 158	+ 18 13	- 23 10	2617
12438	8.6 K2	37 59.98	1.8634 43	57 17 22.1	16.327 151	- 29 16	+ 2 12	2371
12440	8.4 B3	38 9.10	+ 1.8343 + 38	57 55 47.0	+ 16.334 + 148	- 10 ± 14	- 10 ± 12	2372
12442	9.6	38 23.80	1.9014 50	56 30 53.0	16.346 154	+ 44 14	- 25 12	2529
12443	9.5 F8	38 25.25	1.8607 43	57 24 54.4	16.348 150	- 69 14	- 22 12	2373
12445	6.8 B0p	38 29.93	1.8728 46	57 9 54.7	16.352 151	+ 18 14	+ 12 12	2374
12446	9.4 G	38 41.60	1.8225 36	58 15 31.0	16.361 147	+ 52 15	+ 12 13	2312
12448	8.8 F5	38 47.03	+ 1.8221 + 36	58 16 51.4	+ 16.366 + 147	+ 61 ± 15	+ 15 ± 13	2313
12449	8.8 B3	38 53.29	1.9081 52	56 26 43.3	16.371 154	+ 6 14	+ 1 12	2631
12450	6.0 K2	38 59.91	1.8032 33	58 41 56.6	16.377 145	- 29 15	+ 8 13	2314
12452	8.6 B	39 7.68	1.7515 22	59 43 26.6	16.383 140	+ 25 15	- 20 13	2412
12455	8.7 K7	39 20.48	1.9346 56	55 54 30.8	16.394 155	+ 23 15	- 24 11	2620
12457	8.6 B3	39 25.22	+ 1.9116 + 53	56 27 2.3	+ 16.398 + 154	+ 10 ± 14	- 8 ± 12	2632
12459	9.5 A5	39 33.87	1.8286 38	58 16 20.3	16.406 146	- 8 15	- 32 13	2315
12465*	var Ma	39 41.14	1.8327 39	58 12 25.7	16.412 146	+ 4 15	- 16 13	2316
12467	9.0 G	39 44.56	1.9714 62	55 5 41.7	16.415 158	0 14	- 45 12	- 2609
12468	9.0 F0	39 46.81	1.9180 54	56 21 54.0	16.416 154	+ 9 14	- 11 12	2633
12469	8.6 B2	39 48.68	+ 1.8593 + 44	57 39 59.7	+ 16.418 + 148	+ 26 ± 16	- 10 ± 11	2380
12472	9.2 A0	39 59.17	1.8799 48	57 15 3.3	16.427 150	+ 37 15	- 11 13	2383
12473	9.1 B5	39 59.07	1.9765 63	55 0 41.6	16.427 158	+ 13 14	- 26 12	- 2610
12474	9.2 A2	39 59.22	1.8250 38	58 24 44.6	16.427 145	+ 14 15	+ 1 13	2318
12475	9.5 K5	40 0.06	1.8657 46	57 33 40.1	16.428 149	- 15 14	- 45 12	2384

12370 = BDS 11132: 9.2, 9.5, 16"; separated on plates

12391 = BDS 11151, 8.0, 9.0, 0".9.

12465 = PGC 5593.

Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12476	9.2 F0	40 6.35	+1.9668 +62	55 16 1.5	+16.433 +157	+.016 ±14	-.011 ±12	2621
12478	9.3 G5	40 14.97	1.8366 40	58 12 53.9	16.440 146	+ 35 15	- 52 13	2319
12481	8.8 A	40 25.29	1.8872 50	57 9 46.6	16.449 150	- 11 16	- 5 12	2386
12482	9.0	40 30.89	1.8500 43	57 58 39.8	16.453 147	- 36 15	- 58 13	2387
12483	8.8 K2	40 32.36	1.8682 47	57 35 41.6	16.454 149	+ 4 15	- 34 13	2388
12484	8.4 K5	40 37.42	+1.9014 +52	56 52 42.1	+16.459 +151	+ 22 ±14	- 4 ±12	2634
12490	8.9 A0	40 43.89	1.8705 47	57 34 30.8	16.464 149	+ 11 17	- 16 12	2391
12491	6.8 K0	40 44.57	1.8671 47	57 39 0.8	16.464 148	+ 85 13	+ 23 11	2392
12492	9.0 B0	40 45.34	1.8276 39	58 28 56.2	16.465 145	+ 7 13	- 13 11	2320
12495	8.3 G5	40 53.44	1.9702 63	55 19 5.6	16.472 157	+ 36 14	- 23 12	2624
12496	9.0 A2	40 56.14	+1.7960 +33	59 8 51.9	+16.474 +142	+ 9 ±15	- 27 ±13	2415
12499	8.4 K5	41 18.13	1.8975 53	57 4 38.2	16.493 151	+ 2 14	+ 4 12	- 2636
12505	9.2 A7	41 29.22	1.8363 42	58 25 17.2	16.502 145	- 2 15	- 2 13	2322
12507	8.9 K7	41 54.82	1.7633 27	59 56 6.1	16.523 138	- 8 15	- 2 13	2416
12508	9.3 F8	41 58.62	1.8108 37	59 1 10.5	16.526 143	+ 1 15	- 21 13	- 2323
12510	9.1	42 13.45	+1.8982 +54	57 12 55.1	+16.538 +149	- 20 ±16	+ 2 ±12	2395
12511	9.5	42 14.06	1.8980 54	57 13 14.0	16.539 149	- 14 16	- 10 12	
12512	8.9 A0	42 14.41	1.8164 38	58 56 55.2	16.539 143	+ 34 15	+ 18 13	2324
12514	9.5 F8	42 16.55	1.9102 56	56 57 12.9	16.541 150	+ 32 14	+ 18 12	2639
12515	8.9 B	42 20.03	1.9375 60	56 20 22.2	16.544 153	- 30 14	- 21 12	2640
12516	7.7 Ma	42 20.42	+1.8869 +52	57 29 5.6	+16.544 +148	- 25 ±14	- 5 ±12	2396
12519	8.9 A2	42 47.07	1.9833 67	55 19 10.2	16.566 156	+ 23 14	- 13 12	2628
12523	9.1 F2	43 11.28	1.9622 65	55 54 1.2	16.586 153	+ 16 14	- 16 12	2629
12524	9.0 F0	43 30.89	1.8148 39	59 11 13.0	16.602 141	+ 31 15	- 6 13	2419
12525	9.4 G0	43 35.39	1.9358 61	56 35 26.1	16.606 151	+ 8 14	+ 9 12	2646
12526	8.6 G5	43 38.04	+1.8867 +53	57 42 5.5	+16.607 +147	+129 ±14	+ 17 ±12	2399
12529*	5.9 Ma	43 44.10	1.7692 30	60 6 46.3	16.613 137	- 20 16	- 38 14	2294
12531	7.0 B3	43 51.94	1.8210 41	59 7 13.3	16.619 142	- 9 15	- 14 13	2420
12538	9.4 B	44 19.47	1.8595 49	58 24 4.1	16.641 144	+ 16 14	+ 22 12	2328
12540	9.5 F	44 23.19	1.8178 41	59 16 7.3	16.644 141	+ 35 13	- 9 11	2421
12541	8.3 A2	44 25.61	+1.9121 +58	57 16 24.0	+16.646 +149	+ 23 ±13	0 ±11	2402
12542	8.5 A2	44 25.67	1.9074 57	57 22 45.3	16.647 148	- 33 13	- 31 11	2403
12546	9.1 F2	44 47.44	1.9982 71	55 17 53.1	16.664 155	- 6 16	- 2 12	2632
12551	9.0 K5	45 13.91	1.9737 69	55 58 35.3	16.686 153	- 5 14	- 14 12	2633
12553	9.5 A	45 27.44	1.8908 56	57 55 5.8	16.697 145	- 8 16	- 31 12	2406
12554	9.6 A	45 28.73	+1.8909 +56	57 55 10.6	+16.698 +145	+ 41 ±16	- 4 ±12	
12556	8.8 M0	45 44.58	1.9959 72	55 31 13.9	16.711 153	- 39 14	- 50 12	2634
12557	9.0 K7	45 45.81	2.0018 73	55 22 39.9	16.711 154	+ 24 14	- 15 12	2635
12560	9.2 G0	46 0.22	1.8620 51	58 37 41.7	16.723 142	- 26 14	+ 2 12	2333
12561	9.4	46 6.83	1.8145 42	59 37 7.9	16.728 139	+ 33 15	- 4 13	2423
12563	7.5 B5	46 21.85	+1.8177 +43	59 35 45.2	+16.740 +139	- 3 ±15	+ 6 ±13	2424
12565	9.5 G	46 48.79	1.8820 56	58 20 21.7	16.762 144	- 25 14	+ 3 12	2336
12566	8.4 K	46 49.42	1.8955 58	58 2 56.0	16.762 145	+ 43 14	+ 33 12	- 2409
12571	8.4 A0	47 18.13	1.9460 67	56 59 32.6	16.785 148	+ 20 14	+ 14 12	2652
12576	8.4 K0	47 43.02	1.9070 61	57 56 55.5	16.805 144	- 4 14	- 22 12	2410
12577	8.9 K5	47 43.22	+1.8153 +43	59 52 6.2	+16.805 +138	+ 26 ±15	+ 3 ±13	2425
12582	7.7 A0	47 57.75	1.8435 49	59 20 36.6	16.817 140	- 30 15	- 2 13	2427
12583	9.6	48 1.93	1.9786 73	56 20 58.5	16.820 150	+ 24 14	+ 5 12	2654
12584	9.0 G0	48 2.47	1.8830 57	58 31 44.9	16.821 142	+ 22 12	+ 39 11	2340
12589	9.2 F8	48 17.35	1.9300 66	57 31 59.6	16.832 146	+ 49 16	- 12 12	2412

12529 = PGC 5614.

Epoch of observation, 1916.22

21h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	′ ″	″	″	″	
12590	8.9 A2	48 22.45	+ 1.8838 + 58	58 34 4.9	+ 16.837 + 142	- 015 ± 15	+.013 ± 13	2342
12591	8.1 A2	48 24.60	1.9211 64	57 45 19.5	16.838 145	+ 12 13	+ 3 10	2414
12598	7.4 K0	48 36.18	1.8293 47	59 44 23.1	16.848 137	- 27 15	+ 94 13	2428
12599	9.0 B9	48 36.50	1.8725 56	58 50 55.5	16.848 141			2343
12600	9.2 F0	48 41.96	1.8805 57	58 41 40.4	16.852 141	+ 22 15	- 24 13	2344
12603*	7.4 K0	48 54.51	+ 2.0143 + 79	55 37 25.0	+ 16.862 + 152	+ 24 ± 16	- 5 ± 12	2641
12606	9.0 B2	49 4.06	1.9255 66	57 46 17.2	16.870 145	- 51 14	- 36 12	2416
12607	9.2 G0	49 5.00	1.9306 67	57 39 31.4	16.870 145	- 27 14	- 6 12	2417
12608	9.1 K0	49 7.69	1.9819 75	56 27 57.8	16.872 149	- 16 14	- 21 12	2655
12609	7.8 B5	49 12.73	1.8186 46	60 3 12.9	16.876 136	+ 6 15	- 42 13	- 2430
12611	9.0 A0	49 24.82	+ 1.8317 + 48	59 49 36.9	+ 16.886 + 137	- 19 ± 15	- 32 ± 13	2431
12613	8.8 K5	49 30.54	1.9852 76	56 27 12.3	16.890 149	- 4 13	+ 8 10	2697
12614	8.6 K	49 32.94	1.9542 71	57 11 56.5	16.892 146	- 16 14	- 2 12	2418
12615	9.5	49 30.22	1.9864 76	56 26 55.5	16.897 149	- 78 17	- 44 14	2658
12623	9.4 F5	50 12.81	1.9739 75	56 51 11.5	16.924 147	0 14	+ 2 12	2661
12628	8.5 G5	50 18.10	+ 1.8861 + 60	58 51 6.5	+ 16.928 + 140	+ 16 ± 15	- 5 ± 13	2349
12630	8.7 B9	50 24.86	1.9222 67	58 5 0.9	16.933 143	- 3 16	- 12 12	- 2422
12636*	6.4 B9p	50 41.20	2.0115 81	56 1 10.7	16.946 149	- 11 14	+ 4 12	- 2644
12637	8.3 K7	50 43.33	1.9825 77	56 44 17.2	16.948 147	- 40 14	- 8 12	2662
12639	9.0 A2	50 46.81	1.8855 61	58 56 57.2	16.950 139	+ 42 15	- 3 13	2350
12641	9.0 K0	50 59.83	+ 1.9535 + 73	57 28 22.8	+ 16.960 + 145	- 7 ± 14	- 15 ± 12	2424
12643	9.4	51 5.66	1.9608 74	57 19 15.8	16.964 145	+ 73 14	+ 23 12	2425
12645	9.2	51 11.30	1.9608 74	57 20 15.4	16.969 145	+ 75 14	+ 4 12	2426
12647	8.2 B9	51 14.30	1.8676 58	59 24 22.0	16.972 138	+ 4 15	- 15 13	2432
12649	9.3 F8	51 33.74	1.8956 64	58 52 8.4	16.987 140	+ 7 15	- 4 13	2353
12652	9.2 G	51 49.12	+ 2.0536 + 87	55 8 43.2	+ 16.999 + 152	- 5 ± 14	- 15 ± 10	2648
12653	8.6 K7	51 54.61	1.9213 69	58 22 8.6	17.003 142	+ 2 15	- 10 13	2354
12654	9.3 A0	51 55.25	2.0543 88	55 8 49.7	17.003 152	+ 32 16	- 15 12	2649
12655	8.6 F0	51 56.35	2.0039 81	56 26 20.4	17.004 148	+ 28 13	+ 21 10	2664
12656*	7.4 A0	52 0.85	1.8820 62	59 14 22.3	17.007 138	+ 33 17	- 46 15	2435
12658	8.7 G5	52 3.18	+ 2.0303 + 85	55 47 45.1	+ 17.010 + 150	- 81 ± 14	- 102 ± 12	2650
12662	7.7 F0	52 15.05	1.9484 74	57 49 3.4	17.019 144	- 35 16	+ 36 12	2430
12664	8.9 K7	52 16.92	2.0223 84	56 2 29.1	17.020 149	+ 15 14	- 25 12	- 2651
12666	9.3 G	52 25.79	2.0224 85	56 4 2.9	17.027 149	+ 13 17	- 19 14	- 2653
12667	8.9 A3	52 28.81	2.0498 88	55 22 16.0	17.029 151	- 22 16	+ 15 14	2652
12669*	7.0 A0	52 30.69	+ 1.8879 + 63	59 12 2.9	+ 17.031 + 138	+ 16 ± 15	- 15 ± 13	2436
12670	8.3 F0	52 32.08	1.9411 73	58 2 11.3	17.032 142	+ 17 16	- 2 12	- 2431
12672	8.5 K0	52 39.42	1.8788 62	59 25 10.0	17.037 137	0 15	- 43 13	2437
12674	8.5 A5	52 43.96	1.8973 65	59 2 27.8	17.041 139	- 35 14	- 26 12	- 2356
12677	8.9 A0	53 0.35	1.9555 76	57 47 28.2	17.053 143	+ 15 16	- 22 12	2432
12679	9.1 F2	53 10.87	+ 1.9008 + 67	59 2 39.6	+ 17.061 + 139	+ 44 ± 14	- 8 ± 12	- 2359
12680	9.3 A	53 22.60	1.9050 68	58 59 21.3	17.070 139	+ 27 14	- 12 12	2360
12681	8.8 K2	53 28.49	1.9451 74	58 6 51.2	17.075 142	+ 53 15	- 23 13	2361
12682	9.0 K5	53 28.97	1.9426 74	58 10 21.5	17.075 141	+ 49 15	- 17 13	2362
12684	9.4 B	53 33.00	1.8855 64	59 26 9.4	17.078 137	+ 4 15	- 37 12	2439
12687	7.8 K5	53 36.76	+ 1.9284 + 72	58 31 4.9	+ 17.081 + 140	- 45 ± 15	- 21 ± 13	2363
12690	9.0 F0	53 44.49	2.0686 92	55 6 45.6	17.087 151	- 4 14	- 41 12	2656
12692	8.6 K7	53 52.11	1.9735 80	57 31 45.9	17.093 143	- 25 14	- 2 12	2434
12693	8.8 A3	53 52.45	2.0362 88	55 59 11.5	17.093 148	+ 16 13	+ 28 10	2657
12694	8.8 A2	54 0.91	2.0495 90	55 39 59.7	17.100 149	+ 37 14	- 57 12	2658

12603 = PGC 5632. 12636 = PGC 5639. 12656 = BDS 11390: 7.5, 10.6, 2″.
12669 = BDS 11397: 7.2, 8.7, 0″.8. Epoch of observation, 1916.22

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12696	9.3	54 1.63	+ 2.0368 + 88	55 59 57.4	+ 17.100 + 148	-.025 ± 17	+.002 ± 14	2659
12697	9.1 G0	54 26.94	2.0710 93	55 11 0.7	17.120 150	- 7 14	- 54 12	2663
12698	8.9 K0	54 31.47	1.9806 82	57 28 46.1	17.123 143	- 8 16	- 93 12	2436
12699	9.0 F8	54 44.13	1.9385 75	58 29 35.1	17.132 140	+ 113 15	+ 80 13	2366
12701	8.6 G0	54 52.04	2.0296 89	56 20 32.9	17.139 146	+ 23 13	+ 9 10	2667
12703	8.7 F0	54 57.37	+ 1.9225 + 73	58 53 29.0	+ 17.142 + 138	+ 43 ± 13	- 4 ± 11	2367
12704	7.4 F8	55 2.05	1.8958 68	59 29 12.6	17.147 136	- 127 15	- 73 13	2442
12705	8.9 A7	55 6.03	2.0076 86	56 56 10.8	17.149 144	+ 18 14	+ 6 12	2669
12707*	6.2 A0	55 11.91	2.0033 86	57 3 36.5	17.153 144	+ 32 14	- 1 12	- 2670
12712	7.0 F0	55 18.75	2.0350 90	56 17 20.7	17.159 146	+ 47 14	+ 3 12	2671
12713	9.1 B8	55 20.37	+ 1.9276 + 74	58 50 58.2	+ 17.160 + 138	+ 24 ± 13	- 21 ± 10	2368
12714	9.2 A0	55 22.72	2.0205 88	56 40 8.1	17.162 145	+ 20 14	- 12 12	2672
12715	7.4 B8	55 23.20	1.8886 67	59 41 56.3	17.162 135	+ 25 15	- 29 13	2443
12719	9.1 G5	55 34.12	2.0120 88	56 54 57.5	17.170 144	+ 32 12	0 10	2673
12721	8.0 A2	55 47.61	2.0454 92	56 6 58.4	17.180 147	+ 8 13	- 2 11	2675
12722	8.6 G0	55 49.43	+ 1.9527 + 79	58 22 21.1	+ 17.182 + 140	+ 92 ± 15	+ 64 ± 13	2371
12723	9.2	55 49.58	2.0868 97	55 1 12.5	17.182 149	+ 18 16	- 6 12	- 2664
12725*	7.8 A0	55 52.26	1.8810 66	59 56 47.2	17.184 134	- 1 15	- 9 13	2445
12726	8.6 K2	55 57.51	1.9884 85	57 33 47.1	17.188 142	- 33 16	+ 6 12	2438
12728	9.0 K	56 5.57	2.0735 96	55 26 4.0	17.194 148	- 3 12	+ 9 10	2665
12731	7.8 A0	56 23.35	+ 2.0500 + 94	56 6 36.1	+ 17.207 + 147	- 14 ± 14	- 2 ± 12	2676
12732	8.9 A5	56 25.02	1.8900 68	59 51 21.9	17.208 134	+ 34 14	- 6 12	2446
12736	8.5 G0	56 43.24	2.0794 98	55 23 50.3	17.222 148	- 20 13	- 15 10	2667
12740	9.4 A	57 13.98	2.0263 92	56 52 41.5	17.245 143	- 11 17	- 2 14	2680
12741	9.0 B	57 16.75	1.9414 79	58 54 0.5	17.247 137	+ 7 15	- 3 13	2373
12743	8.7 F8	57 30.09	+ 1.8936 + 71	59 58 42.7	+ 17.257 + 133	+ 9 ± 15	0 ± 13	2448
12744	8.6 F0	57 33.01	2.0214 92	57 3 42.7	17.259 143	- 1 14	- 10 12	- 2681
12747	8.7 K0	57 36.42	2.0296 93	56 52 5.9	17.262 143	- 54 14	+ 13 12	2682
12748	9.0 K5	57 42.21	1.9724 85	58 16 13.1	17.266 139	+ 1 15	- 8 13	2374
12750	8.8 K0	57 49.32	1.9440 80	58 56 33.2	17.271 136	+ 19 15	+ 4 13	2375
12752*	6.5 B0	57 52.70	+ 2.0103 + 91	57 23 51.8	+ 17.274 + 142	- 8 ± 14	- 7 ± 11	2441
12753	8.1 A	57 53.54	2.0085 91	57 26 47.3	17.274 142	+ 8 16	- 14 11	2442
12754	7.1 B8	58 0.71	2.0908 101	55 20 34.3	17.280 147	+ 12 11	+ 8 9	2669
12755	8.5 G5	58 11.20	1.9419 81	59 3 21.6	17.287 136	+ 97 15	+ 33 13	- 2376
12756	8.4 K5	58 10.55	1.9156 76	59 38 4.2	17.287 134	- 47 15	- 44 13	2450
12757	9.0 K5	58 17.51	+ 2.0215 + 93	57 12 5.1	+ 17.292 + 142	+ 35 ± 14	- 4 ± 12	2443
12760	9.0 A2	58 31.32	2.0497 97	56 31 58.7	17.302 144	+ 4 14	+ 4 12	2687
12765	9.0	59 1.00	2.1036 104	55 11 33.8	17.324 147	- 26 11	- 19 9	2670
12766	9.0 A2	59 2.08	2.1041 104	55 10 57.3	17.325 147	- 17 14	- 3 12	2671
12767	9.1 M0	59 2.28	2.0513 98	56 35 38.0	17.325 143	+ 16 16	+ 30 12	2690
12768	9.0 K5	59 3.14	+ 2.0866 + 102	55 39 56.8	+ 17.326 + 146	- 37 ± 14	- 17 ± 12	2672
12769	8.8 G0	59 3.44	1.9270 79	59 32 58.4	17.326 134	- 40 15	- 82 13	2452
12770	8.9 M	59 8.67	2.0381 96	56 57 9.0	17.330 142	- 27 14	- 15 12	2692
12774	7.3 F8	59 23.83	2.1045 104	55 14 32.4	17.341 147	+ 48 14	+ 39 12	2673
12775	8.6 B8	59 23.94	1.9282 80	59 35 18.8	17.341 134	- 24 15	- 28 13	2454
12776	7.6 F8	59 34.68	+ 1.9753 + 88	58 33 39.8	+ 17.349 + 136	+ 18 ± 15	+ 5 ± 13	2380
12777	8.8 B3	59 41.67	2.0425 98	56 56 58.2	17.354 141	- 9 14	- 17 12	2694
12779	9.1 A5	59 48.89	2.0255 96	57 24 0.1	17.359 140	+ 38 16	- 7 12	2446
12780*	6.4 B5	59 49.72	1.9490 84	59 12 32.5	17.360 134	+ 13 14	- 11 12	2456
12785	9.4	59 57.08	1.9492 84	59 13 41.6	17.365 134	- 20 15	- 20 13	2457

12707 = PGC 5656. 12725 = BDS 11435: 8.1, 9.3, 0".4. 12752 = PGC 5667.
12780 = PGC 5675 = BDS 11477: 6.4, 11.1, 11"; separated on plates. Epoch, 1916.22

22h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12788	6.9 A0	0 8.51	+1.9493 + 84	59 15 39.5	+17.374 +134	-.011 ± 17	-.003 ± 15	2459
12790	7.6 A0	0 9.75	1.9964 92	58 10 32.7	17.375 138	- 34 15	- 25 13	2381
12791	8.0 F0	0 10.11	1.9178 79	59 57 33.2	17.375 132	- 3 15	- 14 13	2460
12793	7.5 A	0 12.51	1.9515 85	59 13 26.8	17.377 134	+ 20 15	- 10 13	2461
12795	9.0 A2	0 18.50	2.0756 103	56 12 37.6	17.381 143	- 21 14	- 10 12	2695
12796	9.2 A0	0 22.70	+1.9418 + 84	59 28 23.1	+17.384 +134	+ 25 ± 15	- 23 ± 13	2462
12798	7.7 A0	0 22.62	1.9494 85	59 18 18.8	17.384 134	- 22 13	0 11	2463
12804	8.8 A0	0 45.36	1.9612 88	59 6 34.8	17.400 135	- 8 16	- 35 13	2464
12811	7.7 K0	1 4.29	2.0263 98	57 37 39.6	17.414 139	- 18 15	- 37 13	2450
12813	9.1 A2	1 11.63	1.9708 90	58 58 29.9	17.419 135	+ 1 15	- 11 13	2384
12816	7.2 F5	1 19.62	+2.0718 + 104	56 31 2.8	+17.425 +142	+ 7 ± 14	+ 58 ± 12	2702
12819	8.8 A0	1 23.18	2.0405 100	57 20 9.9	17.428 140	- 52 15	- 22 13	2451
12820	8.5 F5	1 27.11	2.0029 95	58 16 21.3	17.431 137	+ 6 14	- 58 12	2385
12822	7.4 K0	1 28.00	1.9216 82	60 7 19.1	17.431 131	+ 29 16	- 15 13	2337
12823	9.4 A7	1 31.18	2.0498 102	57 7 37.3	17.434 140	+ 17 15	+ 13 13	2453
12825	8.5 M0	1 32.34	+2.0572 + 103	56 56 19.5	+17.434 +141	+ 27 ± 14	- 16 ± 12	2703
12828	9.4	1 40.54	2.0547 103	57 1 59.9	17.440 140	+ 9 16	+ 42 14	- 2704
12831	6.3 B9	1 49.53	2.1046 108	55 44 4.2	17.447 144	+ 25 14	- 29 12	2679
12832	9.1 F2	1 50.99	2.1122 109	55 31 40.4	17.448 144	- 4 16	- 22 12	2680
12836	8.6 A0	2 13.55	2.0759 106	56 35 26.6	17.464 141	- 1 13	0 11	2706
12837	9.0 F8	2 15.70	+2.0589 + 104	57 2 27.2	+17.465 +140	+ 47 ± 13	+ 32 ± 11	- 2707
12838	9.0 A3	2 21.22	1.9908 95	58 44 16.8	17.470 135	+ 4 15	- 37 13	2391
12839	7.8 F8	2 29.78	1.9339 85	60 3 9.2	17.476 131	+ 15 15	+ 62 13	- 2465
12840	8.5 G0	2 33.10	2.0146 99	58 12 26.9	17.478 136	- 23 15	- 39 13	2392
12841	9.2 A	2 39.00	2.1112 111	55 43 15.5	17.482 143	+ 5 14	- 22 12	2681
12842	8.2 F2	2 51.62	+2.1163 + 112	55 37 25.1	+17.491 +143	- 6 ± 14	- 12 ± 12	2682
12843*	7.0 G5	2 56.95	2.0170 100	58 13 51.0	17.495 136	- 31 13	- 31 11	2393
12844	8.4 A	2 59.42	1.9398 87	60 1 4.8	17.497 131	+ 24 15	- 18 13	- 2466
12845	8.7 K0	3 5.67	2.1082 111	55 53 51.9	17.501 142	- 5 14	0 11	2683
12846	9.0 K2	3 6.29	1.9577 91	59 38 35.4	17.502 132	+ 27 15	- 18 13	2467
12847	8.5 G5	3 7.49	+1.9601 + 91	59 35 44.1	+17.503 +132	0 ± 15	+ 10 ± 13	2468
12849	8.7 K0	3 11.35	2.1360 114	55 8 3.7	17.505 145	- 12 14	- 9 12	2684
12850	9.2 K0	3 15.71	1.9633 92	59 32 57.1	17.508 132	- 27 15	- 2 13	2469
12851	8.9 K0	3 16.10	2.0280 102	58 1 27.2	17.509 137	- 7 15	- 10 13	- 2458
12853	9.5	3 21.26	2.0982 111	56 13 23.0	17.512 142	+ 17 17	- 17 14	—
12856	9.1 B9	3 26.84	+2.1197 + 113	55 38 58.6	+17.516 +143	+ 8 ± 16	- 21 ± 14	2686
12857	9.2 A0	3 29.79	2.1326 114	55 17 44.9	17.519 144			2685
12858	8.5 F5	3 32.64	1.9418 88	60 4 52.6	17.520 130	+ 29 15	- 7 13	- 2470
12859	8.2 F0	3 33.86	2.1092 112	55 58 1.1	17.521 142	+ 28 13	+ 10 11	2688
12866	9.2 F8	4 10.16	2.0520 107	57 36 15.5	17.547 137	+ 44 16	- 16 12	2461
12869	8.4 G0	4 15.93	+2.1340 + 116	55 25 9.2	+17.551 +143			2689
12872	8.6 F5	4 20.42	2.0621 108	57 23 3.0	17.554 138	+ 6 ± 17	+ 14 ± 15	2462
12874	9.1 B3	4 20.97	2.1064 113	56 12 32.3	17.555 141	- 30 14	- 17 12	2712
12875*	7.2 A0	4 21.97	2.0100 101	58 40 52.9	17.555 134	+ 20 15	+ 2 13	2395
12876*	7.1 A0	4 23.86	2.0105 101	58 40 36.9	17.557 134	- 20 15	+ 1 13	
12883	8.4 A0	4 41.95	+2.1008 + 113	56 26 5.0	+17.569 +140	+ 10 ± 14	+ 3 ± 12	2713
12885	8.0 K0	4 45.29	2.0314 105	58 14 20.4	17.572 135	+ 54 15	- 16 13	2397
12887	8.8 B8	4 48.75	2.0648 109	57 24 32.6	17.574 137	+ 22 16	- 2 12	2463
12888	8.5 A0	4 50.35	2.1326 117	55 34 45.0	17.575 142	- 4 14	- 15 10	2692
12891	8.5 B8	5 2.29	2.0652 110	57 26 55.0	17.584 137	- 13 15	+ 11 13	2464

12843 = PGC 5694.
12876 = PGC 5705.

12875 = BDS 11542: 8.0, 8.0, 0".6.
Epoch of observation, 1915.77

22^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12892	9.3 A	5 8.81	+2.0895 +113	56 49 59.3	+17.588 +139			2718
12894	9.5 A	5 15.61	2.0890 113	56 52 5.3	17.593 138	-.056 ± 17	-.028 ± 14	2719
12895	9.3 F2	5 16.50	2.0588 110	57 39 38.4	17.594 136	+ 11 17	- 65 15	2468
12896	9.0 B8	5 21.63	2.0934 114	56 46 21.5	17.597 139	- 25 14	- 20 12	2720
12897	9.0 A5	5 23.94	2.0541 109	57 48 17.0	17.599 136	+ 13 13	+ 8 11	2470
12900	8.0 K2	5 41.27	+2.0928 +114	56 51 27.3	+17.611 +138	+ 32 ± 14	+ 29 ± 12	2721
12901	7.0 B5	5 41.46	2.1428 119	55 28 9.4	17.611 142	+ 22 13	- 15 10	2695
12905	8.6 F5	5 49.13	2.0807 113	57 12 24.1	17.616 137	- 6 15	+ 62 13	2471
12906	8.2 F8	5 50.15	1.9624 96	60 4 35.3	17.617 129	- 50 15	- 20 13	- 2475
12908	8.5 K0	5 55.53	2.0256 106	58 37 24.4	17.621 133	- 33 15	- 31 13	2399
12910	9.3	6 0.63	+2.0699 +112	57 31 33.2	+17.624 +136	+ 35 ± 15	- 33 ± 13	2472
12911	8.3 K5	6 3.57	1.9946 102	59 23 14.0	17.626 131	- 2 15	- 6 13	2477
12914	9.4 K5	6 22.70	1.9705 98	60 0 8.3	17.640 129	+ 5 15	- 30 13	- 2480
12915*	9.1	6 25.81	2.0596 112	57 52 44.9	17.642 135	+ 15 15	- 7 11	2474
12916	9.3 A2	6 28.10	2.1192 118	56 18 14.1	17.644 139	- 23 14	- 27 12	2723
12917	8.6 K7	6 29.41	+2.1127 +118	56 29 11.1	+17.644 +139	+ 12 ± 14	0 ± 12	2724
12918*	3.4 K0	6 31.37	2.0718 113	57 35 8.1	17.646 136			2475
12919	6.9 A5	6 33.25	2.0820 115	57 19 30.4	17.647 137	+ 29 15	+ 29 13	2476
12926*	5.8 Od	7 16.20	2.0297 109	58 47 53.4	17.677 132	+ 6 15	- 6 13	2402
12927*	6.1 F8	7 19.35	2.1287 121	56 13 10.4	17.678 139	+ 221 14	+ 135 12	2727
12928	9.2 F0	7 18.39	+2.1546 +123	55 28 31.1	+17.678 +141	+ 1 ± 14	- 10 ± 10	2700
12929*	8.7 A2	7 21.57	2.0969 118	57 5 57.2	17.680 137	+ 38 15	+ 12 13	2478
12932	9.2 G5	7 32.58	2.0073 106	59 23 26.3	17.688 130	+ 21 14	- 14 11	2481
12933	9.2 G0	7 33.48	2.0700 115	57 50 50.4	17.688 135	+ 92 15	+ 71 13	2480
12934*	7.1 K0	7 35.09	2.0198 108	59 6 15.6	17.690 131	- 13 15	+ 14 13	2482
12936	6.6 K0	7 38.84	+2.0464 +112	58 27 56.0	+17.692 +133	+ 103 ± 15	+ 78 ± 13	2403
12939*	7.5 K5	7 51.24	2.0066 107	59 28 22.1	17.701 130	- 10 15	- 28 13	2485
12940	9.4 F8	7 52.85	2.0500 113	58 25 26.2	17.702 133	+ 45 17	+ 7 15	2405
12941	9.0 K0	7 53.68	2.1043 120	57 1 2.7	17.703 137	- 30 14	+ 23 12	- 2730
12942*	5.6 K0	7 54.02	1.9780 102	60 8 28.9	17.703 128	+ 12 14	- 14 12	2358
12943	9.2 G0	7 54.71	+2.0460 +113	58 31 47.8	+17.703 +133	- 11 ± 15	- 23 ± 13	2406
12945	9.2 G5	8 3.71	2.1768 126	54 59 7.5	17.709 141	- 35 17	- 44 14	2704
12946	8.3 K5	8 5.13	2.1570 125	55 34 43.1	17.710 140	- 12 14	+ 5 12	2702
12947	8.6 B0	8 7.77	2.1196 122	56 38 53.4	17.712 138	+ 10 12	- 9 10	2733
12949	9.0 A5	8 16.32	1.9941 105	59 50 53.2	17.718 128	- 7 15	- 17 13	2486
12950	9.4 F0	8 22.37	+2.0050 +107	59 36 58.2	+17.722 +129	+ 44 ± 16	- 17 ± 13	2487
12952	9.3 A2	8 23.97	2.0504 114	58 31 22.5	17.723 132	- 10 15	- 31 13	2407
12953	8.7 K5	8 24.52	2.0807 118	57 45 7.3	17.724 134	- 15 16	- 8 12	2481
12954	9.1 A2	8 24.72	2.1407 124	56 7 5.0	17.724 138	- 35 14	- 25 12	2734
12956*	8.8 G0	8 33.09	2.0073 108	59 35 58.3	17.729 129	- 11 16	- 12 13	2488
12957	9.2 G0	8 39.83	+2.1803 +128	55 0 42.3	+17.734 +140	- 7 ± 16	- 23 ± 14	- 2707
12958	9.1 K2	8 44.56	2.0452 114	58 43 26.1	17.737 132	+ 32 14	- 9 12	2408
12960	7.1 A5	8 52.45	2.0481 115	58 40 47.6	17.742 132	+ 75 14	+ 15 12	2409
12961	8.7 B2	8 52.08	2.1109 122	57 2 50.4	17.742 136	- 24 15	- 1 13	- 2735
12963	8.1 A2	9 1.54	2.1131 123	57 1 14.1	17.749 136	- 19 15	- 9 13	- 2736
12965	9.0 F2	9 8.18	+2.1600 +127	55 43 9.1	+17.753 +139	+ 38 ± 14	- 16 ± 12	2705
12967	9.2 A	9 10.57	2.1512 126	55 59 8.7	17.755 138	+ 6 14	- 37 12	2704
12969	9.2 G0	9 22.66	2.0139 110	59 36 53.9	17.763 129	- 58 15	- 75 13	2493
12970	8.4 A7	9 24.27	2.0939 121	57 37 12.3	17.764 134	+ 7 16	- 3 12	2485
12971	9.1	9 38.31	2.1043 123	57 23 38.8	17.774 135	- 54 15	- 18 13	2487

12915 = BDS 11561:9.2,11.4,0".8. 12918 = PGC 5714. 12926 = PGC 5719.
12927 = PGC 5721. 12929 = BDS 11574:9.4,9.6,0".3. 12934 = BDS 11578:7.1,9.5,4".
12939 = BDS 11584:7.6,10.8,4". 12942 = PGC 5727. 12956 = BDS 11594:9.6,9.6,0".5.

Epoch of observation, 1915.77

22h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
12972	9.0 A2	9 47.10	+ 2.1827 + 130	55 11 27.2	+ 17.780 + 139	-.015 ± 13	+.023 ± 10	2706
12976	8.7 B9	10 17.07	2.1507 128	56 14 43.4	17.800 137	- 13 14	+ 16 12	2738
12978	9.0 F0	10 18.64	2.0398 116	59 11 22.0	17.801 129	- 39 15	- 12 13	2495
12979	8.7 G0	10 20.63	2.1211 126	57 5 20.6	17.802 135	+ 86 15	+ 38 13	- 2739
12980*	4.7 F0	10 28.41	2.1457 128	56 25 16.9	17.806 136	+ 505 15	+ 61 13	2741
12982	9.1 A0	10 32.63	+ 2.1454 + 129	56 27 19.4	+ 17.810 + 136	+ 50 ± 15	+ 33 ± 13	2744
12983	9.3	10 32.84	2.1485 129	56 21 58.0	17.810 136	0 15	+ 47 13	2743
12985	7.1 A2	10 45.32	2.0715 121	58 29 37.3	17.819 131	- 33 15	- 40 13	2413
12987	8.7 G0	10 50.52	2.1043 125	57 39 12.3	17.822 133	+ 64 16	- 3 12	2489
12988	9.2 A7	10 54.17	2.1548 130	56 15 55.1	17.825 136	- 1 14	+ 16 12	2745
12990	7.3 B9	10 54.49	+ 2.1909 + 133	55 11 48.0	+ 17.825 + 139	- 21 ± 13	- 33 ± 10	2709
12993	9.0 F2	11 41.71	2.1059 127	57 47 51.3	17.856 132	+ 53 16	- 3 12	2492
12994	8.0 K5	11 49.44	2.1235 129	57 21 8.4	17.861 133	- 2 15	+ 6 13	2493
12995*	5.7 K0	11 56.20	2.1513 132	56 35 49.0	17.866 135	+ 68 15	+ 20 13	2746
12997	8.9 F5	11 58.25	2.1493 132	56 39 41.3	17.867 135	+ 131 14	+ 13 12	2747
12998	9.2 F0	11 57.84	+ 2.1004 + 127	58 0 14.9	+ 17.867 + 132			- 2494
12999	9.1 K5	11 58.08	2.1707 134	56 2 27.6	17.867 136	- 1 ± 14	- 16 ± 12	- 2711
13002	9.0 A5	12 9.84	2.1134 129	57 42 3.9	17.875 132	- 33 16	- 15 12	2496
13003	9.3	12 12.77	2.1520 133	56 38 18.5	17.877 135	+ 32 17	+ 35 14	2748
13004	8.3 A0	12 13.44	2.0881 126	58 23 4.5	17.877 130	- 9 15	- 20 13	2416
13009	9.1 A5	12 19.42	+ 2.1557 + 133	56 33 28.4	+ 17.881 + 135	+ 22 ± 14	- 9 ± 12	2749
13010	8.4 A5	12 20.43	2.1905 136	55 31 58.9	17.882 137	+ 102 17	- 12 14	2713
13011	9.0 F5	12 22.23	2.1781 135	55 54 54.5	17.883 136	- 27 14	- 13 12	2712
13013	7.5 A2	12 25.86	2.1906 136	55 33 11.5	17.885 137	+ 48 13	- 32 10	2714
13014	9.1 F5	12 30.57	2.1216 130	57 33 17.7	17.888 132	+ 49 13	- 15 13	2499
13016	9.4 A	12 35.40	+ 2.1907 + 136	55 35 5.0	+ 17.892 + 136	+ 52 ± 17	- 18 ± 14	——
13021	8.9 G0	13 1.08	2.1292 132	57 27 41.0	17.909 132	+ 19 15	- 5 13	2501
13022	9.3	13 5.42	2.1925 137	55 38 51.8	17.912 136	+ 13 13	- 33 10	2717
13025	8.5 G5	13 11.30	2.0819 128	58 45 30.6	17.915 129	- 19 15	- 33 13	2417
13027	8.6 K0	13 27.92	2.1714 137	56 21 51.5	17.926 134	+ 9 14	+ 10 12	2752
13028	8.4 G0	13 32.12	+ 2.2010 + 139	55 29 27.9	+ 17.929 + 136	0 ± 18	- 8 ± 14	2718
13031	9.0 F5	13 35.86	2.1983 139	55 35 18.9	17.932 136	- 39 14	- 21 12	——
13033	8.8 K5	13 46.34	2.1313 134	57 34 28.3	17.938 131	- 9 14	- 55 12	2502
13034	9.0 F8	13 50.60	2.2050 140	55 26 22.9	17.941 136	+ 26 12	- 8 10	2719
13037	7.7 F5	13 56.69	2.2016 140	55 34 1.8	17.945 136	+ 5 14	- 10 12	2720
13041	8.5 Ob	14 8.95	+ 2.2054 + 140	55 29 59.5	+ 17.953 + 136	0 ± 14	- 37 ± 12	2721
13042	8.5 K0	14 9.39	2.1026 132	58 26 3.0	17.953 129	- 24 15	+ 31 13	2419
13047	9.2 B	14 27.78	2.1802 140	56 20 11.6	17.965 134	- 18 14	0 12	——
13048	8.7 A	14 29.58	2.2027 141	55 39 54.9	17.966 135	- 12 15	+ 2 13	2723
13053	8.8	14 46.88	2.0402 125	60 8 24.2	17.978 124	+ 5 16	- 41 13	2380
13057	8.8 B	14 55.85	+ 2.1132 + 135	58 19 33.7	+ 17.983 + 128	0 ± 15	- 3 ± 13	2421
13059	7.2 K0	15 2.65	2.2097 143	55 34 32.6	17.988 135	+ 18 12	+ 3 10	2724
13060	6.4 B8	15 6.29	2.0685 130	59 31 13.6	17.990 125	- 13 15	- 14 13	2506
13061	9.4 F2	15 11.46	2.1173 136	58 16 31.2	17.993 129	+ 12 15	0 13	2422
13065	6.5 B8	15 31.26	2.1900 143	56 17 23.5	18.006 133	+ 4 14	+ 18 12	2755
13067	8.8 G5	15 41.09	+ 2.1952 + 143	56 10 25.3	+ 18.013 + 133	- 15 ± 14	- 14 ± 12	2757
13068*	8.5 A	15 42.43	2.2178 144	55 28 59.4	18.013 134	+ 58 15	+ 5 13	2726
13069	8.1 B9	15 46.28	2.2317 145	55 3 20.8	18.016 135	+ 54 14	+ 11 12	- 2740
13070	9.0 K0	15 55.66	2.1532 141	57 27 21.9	18.022 130	- 2 15	+ 13 13	2507
13073	8.4 G0	16 6.96	2.2208 146	55 29 7.8	18.029 134	- 14 14	- 38 12	2727

12980 = PGC 5742.
13068: very faint companion, distant 10", not in BDS.

12995 = PGC 5751.
Epoch, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13074	6.4 K0	16 9.85	+ 2.1437 + 140	57 46 50.0	+ 18.031 + 129	- 035 ± 15	+.033 ± 13	2508
13076	9.0 F8	16 14.11	2.2242 146	55 24 20.5	18.034 134	+ 32 14	- 12 12	2728
13079	8.5 A2	16 19.64	2.0816 134	59 27 53.5	18.037 125	- 5 15	- 37 13	2509
13080	8.3 B9	16 24.28	2.2271 146	55 21 23.2	18.040 134	+ 28 14	- 12 12	2729
13083	9.4 A2	16 45.90	2.2149 147	55 49 36.3	18.054 133	- 31 15	- 20 13	2730
13085	9.2 G0	16 55.03	+ 2.2413 + 148	55 1 38.0	+ 18.060 + 134	- 107 ± 14	- 74 ± 12	- 2749
13090	8.3 A2	17 8.73	2.2072 147	56 9 22.0	18.068 132	- 4 13	- 3 11	2762
13093	8.4 A0	17 20.16	2.2169 148	55 54 2.9	18.076 132	+ 14 12	- 7 10	2731
13095	9.2 A2	17 24.13	2.1723 146	57 15 21.8	18.078 129	+ 9 16	- 19 11	2511
13096*	8.7 *	17 31.33	2.2258 149	55 40 10.5	18.083 132	+ 5 15	- 4 13	2732
13097	8.9 K2	17 31.45	+ 2.1736 + 146	57 14 45.2	+ 18.083 + 129	+ 25 ± 16	- 25 ± 11	2512
13101	8.9 B8	17 46.10	2.2366 150	55 23 4.7	18.092 133	- 18 13	- 20 11	2735
13102*	9.0 F5	17 47.50	2.0989 139	59 21 12.9	18.093 124	+ 51 15	+ 8 13	2511
13103	8.5 K5	17 56.70	2.1517 145	57 58 9.9	18.099 127	+ 17 15	- 2 13	2515
13104	9.2 A3	17 57.26	2.1700 147	57 27 6.9	18.099 128	+ 29 15	- 17 13	2516
13105	8.8 F2	18 3.44	+ 2.1631 + 146	57 40 33.0	+ 18.103 + 128	- 18 ± 13	- 40 ± 11	2518
13107	8.8 K7	18 12.49	2.1940 149	56 48 42.1	18.109 130	- 11 14	0 12	2764
13110	6.3 B8	18 23.81	2.2007 150	56 39 9.9	18.115 130	+ 83 15	+ 10 13	2765
13111	7.3 Ma	18 25.49	2.2433 152	55 19 52.6	18.117 132	- 46 14	- 39 12	2737
13112	8.8 F5	18 28.74	2.2180 151	56 8 41.1	18.119 131	- 16 15	- 15 13	2766
13113	8.9 F0	18 32.05	+ 2.2184 + 151	56 8 37.3	+ 18.121 + 131	+ 42 ± 15	- 5 ± 13	2767
13115	9.2 F8	18 41.09	2.2250 152	55 58 37.2	18.126 131	- 2 14	- 41 12	2738
13117	9.5 A	19 0.66	2.2425 153	55 30 5.3	18.138 132	+ 26 14	- 16 12	2741
13118	7.2 F0	19 18.12	2.1655 150	57 54 7.2	18.149 127	+ 32 13	- 19 13	2520
13120	8.3 K0	19 29.24	2.1933 152	57 8 16.8	18.156 128	+ 113 15	+ 18 13	2521
13121	7.9 K0	19 32.03	+ 2.1240 + 146	59 5 52.8	+ 18.158 + 124	+ 103 ± 15	- 18 ± 13	- 2428
13123	8.6 F8	19 49.48	2.1055 145	59 39 15.2	18.169 122	+ 44 15	- 24 13	2514
13124	8.3 M0	20 7.08	2.1110 146	59 34 45.6	18.180 122	- 14 15	- 47 13	2516
13126	8.9 A2	20 14.44	2.2341 156	56 4 33.3	18.184 130	- 14 14	- 4 12	- 2746
13128	9.5 B8	20 20.15	2.1981 154	57 12 20.5	18.188 127	- 13 15	- 7 13	2524
13129	9.5	20 27.66	+ 2.1990 + 155	57 12 25.8	+ 18.192 + 127	+ 26 ± 15	- 3 ± 13	2525
13131	9.1 B8	20 33.27	2.2218 156	56 32 14.0	18.196 128	- 27 14	+ 7 12	2774
13135	8.5 K0	20 57.92	2.2461 158	55 52 27.9	18.211 129	- 14 14	- 11 12	2749
13136	8.6 G5	20 58.12	2.2713 159	55 2 37.7	18.211 131	- 80 14	- 105 11	- 2773
13139	8.4 F	21 31.73	2.1594 154	58 36 41.9	18.231 123	+ 13 15	0 13	2431
13140	8.7 K0	21 33.39	+ 2.2030 + 158	57 21 35.4	+ 18.232 + 126	- 14 ± 14	- 2 ± 10	2532
13148*	8.5 A0	22 12.81	2.2342 161	56 33 56.1	18.256 127	+ 28 14	+ 6 12	2776
13149	9.1 K5	22 14.95	2.2200 160	57 1 4.5	18.258 126	- 11 14	+ 20 12	- 2777
13150	6.8 B8	22 15.48	2.2585 162	55 47 48.7	18.258 128	+ 12 14	- 7 12	2750
13152	9.0 K7	22 24.87	2.1337 154	59 31 42.1	18.264 121	+ 4 15	- 30 13	2518
13153	9.0 B5	22 26.81	+ 2.2268 + 161	56 51 18.7	+ 18.265 + 126	+ 17 ± 14	+ 2 ± 12	2778
13154	9.2 B8	22 35.99	2.2172 161	57 11 26.7	18.270 126	- 11 15	+ 9 11	2535
13156	9.0 B9	22 43.39	2.1806 159	58 18 16.9	18.275 123	- 27 15	- 5 13	2434
13159	9.1 F5	22 55.82	2.2367 163	56 40 8.3	18.282 126	+ 21 14	+ 5 12	2780
13160	9.0 F2	22 59.30	2.1355 156	59 37 10.2	18.284 120	- 50 15	- 49 13	2521
13161	8.9 K7	23 1.54	+ 2.1748 + 159	58 32 48.0	+ 18.286 + 122	- 8 ± 15	+ 1 ± 13	2436
13165	8.2 G0	23 6.67	2.2302 163	56 55 0.2	18.289 126	+ 21 14	- 66 12	2781
13172	8.6 F8	23 35.06	2.2761 165	55 33 6.2	18.305 128	- 4 14	- 29 11	2753
13174	9.0 A0	23 40.01	2.1889 162	58 18 3.0	18.309 122	- 54 15	- 9 13	2438
13176	8.9 A0	23 42.38	2.2062 163	57 48 2.5	18.310 124	+ 45 17	- 19 14	2540

13096. Spectrum composite: F5, A3. 13102 = BDS 11692: 9.7, 9.9, 1".

13148 = BDS 11738: 8.6, 10.9, 3".

Epochs: Stars 13074 to 13123, 1915.77; stars 13124 to 13176, 1915.73

22h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13177	8.3 B9	23 43.84	+ 2.2319 + 165	57 1 24.9	+ 18.311 + 125	+.037 ± 14	+.020 ± 12	- 2784
13180	7.8 K0	23 52.14	2.2564 166	56 16 56.3	18.316 126	+ 20 14	+ 19 12	2785
13182	9.3 F0	23 56.60	2.1739 161	58 47 55.5	18.318 121	+ 11 14	- 20 12	2439
13183	7.1 A0	23 57.46	2.2050 164	57 54 3.7	18.319 123	+ 35 12	+ 26 11	2543
13184	9.2	24 1.87	2.2781 167	55 36 20.8	18.322 127	- 11 14	- 28 11	2755
13185	8.0 B8	24 3.43	+ 2.1955 + 163	58 12 25.5	+ 18.323 + 122	- 37 ± 15	+ 10 ± 13	2440
13186	8.8 M0	24 5.04	2.1562 160	59 19 29.2	18.323 120	+ 6 15	- 43 13	2524
13188	9.1 B2	24 11.89	2.2687 167	55 57 51.1	18.328 126	- 26 13	- 23 11	2756
13192	9.3 F0	24 22.30	2.2252 166	57 23 40.9	18.333 124	+ 54 15	+ 20 13	2545
13193	9.2	24 25.13	2.2715 168	55 55 40.9	18.335 126	- 25 14	+ 5 12	2757
13194	8.3	24 28.46	+ 2.2522 + 167	56 34 25.7	+ 18.337 + 125	- 35 ± 15	0 ± 13	2787
13195*	7.1 A0	24 31.08	2.2142 166	57 45 52.9	18.339 123	+ 24 13	- 12 10	2547
13196	8.9 K7	24 31.50	2.2310 167	57 15 18.7	18.339 124	+ 3 15	- 20 13	2546
13197	8.2 M0	24 31.51	2.1340 159	60 1 55.6	18.339 118	- 30 15	- 61 13	- 2525
13199	8.6 M0	24 40.22	2.2379 167	57 4 43.6	18.344 124	- 14 14	+ 7 12	- 2788
13200	8.8 A5	24 42.22	+ 2.1677 + 163	59 9 42.7	+ 18.345 + 120	+ 17 ± 15	- 18 ± 13	2526
13206	8.5 A0	25 9.19	2.2708 169	56 8 37.1	18.361 125	+ 13 12	+ 13 11	2790
13207	8.7 K5	25 10.30	2.2705 170	56 9 38.6	18.362 125	+ 21 12	+ 12 11	2791
13208	8.8 A3	25 12.30	2.1512 163	59 44 25.4	18.363 118	+ 2 15	- 19 13	2527
13211	9.4 K0	25 14.94	2.1499 163	59 47 3.0	18.365 117	- 6 18	- 93 15	2528
13213	9.1 K5	25 19.11	+ 2.1788 + 166	59 0 10.7	+ 18.367 + 120	- 19 ± 15	- 17 ± 13	- 2442
13214	9.2 A0	25 20.90	2.1952 167	58 32 22.9	18.368 121	- 3 18	- 44 15	2443
13215*	8.1 M0	25 26.16	2.2665 170	56 21 37.3	18.371 125	- 8 14	+ 6 12	2793
13216	8.8 K0	25 27.68	2.1935 167	58 37 4.9	18.372 120	- 8 15	- 20 13	2444
13217	8.8 F5	25 31.14	2.1686 165	59 20 28.8	18.374 119	- 5 15	- 26 13	2529
13218	8.4 K0	25 32.24	+ 2.1799 + 166	59 1 42.9	+ 18.375 + 119	- 6 ± 15	- 11 ± 13	- 2445
13220*	7.6 *	25 34.84	2.2608 170	56 35 5.4	18.376 124	+ 29 14	- 3 12	2794
13221	8.6 G0	25 41.24	2.2366 170	57 22 48.6	18.380 123	+ 7 15	- 32 13	2549
13223	8.7 B3	25 49.08	2.1472 164	60 0 2.3	18.385 117	- 25 16	- 36 13	- 2530
13224	8.9 K5	25 53.74	2.1944 168	58 42 13.6	18.387 120	± 2 15	- 22 13	2446
13225	9.0 B9	26 2.70	+ 2.2586 + 172	56 46 42.7	+ 18.392 + 123	+ 26 ± 15	+ 28 ± 13	2797
13228	9.4 A5	26 15.79	2.1499 165	60 2 18.4	18.400 117	- 5 16	- 40 13	- 2532
13231	9.0 A0	26 30.76	2.1612 167	59 47 41.9	18.409 117	- 43 16	- 34 13	2532
13232	8.6 A3	26 33.42	2.3047 174	55 21 58.3	18.410 126	- 1 14	+ 12 12	2763
13237	8.6 K5	27 19.54	2.1582 169	60 4 53.7	18.437 116	- 36 15	- 32 13	- 2534
13239	9.0 B	27 27.88	+ 2.1603 + 170	60 3 29.6	+ 18.442 + 116	- 17 ± 15	- 42 ± 13	- 2535
13241	8.5 G5	27 37.20	2.2044 174	58 51 2.5	18.446 118	+ 161 15	- 18 13	2449
13244	8.4 B	27 48.23	2.1768 172	59 41 29.0	18.453 116	- 14 15	- 16 13	2536
13245	8.5 F8	27 51.03	2.2224 175	58 22 58.4	18.455 119	+ 22 15	+ 51 13	2450
13250	9.2 F0	28 18.35	2.2565 178	57 26 48.2	18.470 120	+ 6 13	- 9 11	2557
13251	8.5 M0	28 23.26	+ 2.2449 + 178	57 50 4.0	+ 18.473 + 119	- 16 ± 15	+ 18 ± 13	2558
13252	8.8 K7	28 29.66	2.2144 177	58 47 25.4	18.477 118	- 28 15	- 6 13	2453
13254	7.8 K5	28 34.65	2.3227 179	55 17 3.2	18.480 124	+ 8 14	+ 8 12	2767
13255	9.1 F5	28 41.40	2.2364 178	58 10 43.2	18.483 119	+ 20 15	+ 5 13	2454
13257*	6.4 K0	28 50.36	2.3050 180	55 58 45.2	18.488 122	+ 79 13	+ 40 10	2769
13258	9.0 F8	28 54.41	+ 2.2852 + 180	56 40 25.6	+ 18.491 + 121	+ 4 ± 14	+ 9 ± 12	2806
13263	9.3 A0	29 38.37	2.2889 182	56 45 0.9	18.516 120	+ 27 14	+ 40 12	2807
13265	7.4 K5	29 47.97	2.2669 183	57 31 4.2	18.521 119	- 5 13	- 4 11	2562
13267	9.0 A2	29 50.49	2.2915 183	56 43 9.9	18.522 120	+ 5 14	0 12	2808
13269	9.0 A0	29 58.94	2.3254 183	55 34 55.4	18.527 122	+ 41 18	- 26 15	2772

13195 = PGC 5805.
13215 = BDS 11776: 8.3, 10.0, 3".
13220 = BDS 11778: 7.6, 10.9, 15"; separated on plates; spectrum composite: A2p, G.
13257 = PGC 5821.
Epoch of observation, 1915.73

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13270	9.2 B8	29 59.70	+ 2.2961 + 183	56 36 14.6	+ 18.527 + 120	+.025 ± 14	+.030 ± 12	2810
13271	8.4 M0	30 6.25	2.2491 183	58 9 33.2	18.531 118	+ 139 15	- 125 13	2455
13274	9.0 F5	30 12.10	2.2127 181	59 17 27.1	18.534 115	- 15 15	- 19 13	2543
13275	9.2 A5	30 16.93	2.2544 184	58 2 44.6	18.537 118	- 4 15	- 5 13	- 2563
13276	9.1 B5	30 17.13	2.3277 184	55 34 57.7	18.537 122	- 7 18	- 30 15	2773
13277	9.0	30 20.48	+ 2.1837 + 180	60 9 7.4	+ 18.539 + 113	+ 73 ± 15	- 55 ± 13	2412
13279	9.5 F0	30 28.43	2.2059 182	59 33 39.9	18.544 114	- 65 18	- 3 15	2545
13280	9.2 F8	30 46.66	2.2769 186	57 27 32.6	18.553 118	+ 80 15	+ 32 13	2564
13281	8.7 A2	30 47.30	2.2164 183	59 20 15.5	18.554 115	+ 12 15	- 6 13	2546
13282	8.5 A3	30 47.38	2.3101 186	56 20 56.8	18.554 120	+ 4 16	+ 23 12	2813
13283	7.4 G0	30 50.15	+ 2.3143 + 186	56 12 55.2	+ 18.556 + 120	- 132 ± 14	- 49 ± 12	2814
13284	9.0	30 51.95	2.3145 186	56 13 3.6	18.557 120	- 132 14	- 40 12	
13285	6.6 A2	30 58.30	2.3375 186	55 25 24.9	18.560 121	+ 1 14	- 8 12	2779
13286	8.5 A0	31 0.00	2.3001 186	56 45 1.3	18.561 119	+ 3 14	+ 5 12	2815
13288	9.0 G0	31 3.51	2.2557 186	58 12 55.1	18.563 117	+ 57 15	+ 2 13	2456
13289	9.2 F8	31 26.82	+ 2.2591 + 187	58 12 58.3	+ 18.576 + 116	+ 31 ± 17	- 19 ± 15	2457
13290	9.1 G5	31 34.48	2.2872 188	57 20 38.7	18.580 118	+ 4 16	+ 6 12	2566
13292	7.0 Pec	31 41.83	2.2750 188	57 46 42.2	18.584 117	- 1 15	+ 14 13	2568
13293	8.8 A0	31 45.32	2.2700 188	57 57 24.9	18.586 116	+ 6 15	- 19 13	2569
13294	8.1 G5	31 58.86	2.2402 188	58 56 59.2	18.594 114	- 97 15	- 72 13	2458
13295	8.6 Ob	32 2.22	+ 2.3228 + 189	56 15 28.0	+ 18.595 + 119	+ 22 ± 16	+ 21 ± 12	2818
13300	7.6 B8	32 54.01	2.2787 192	57 59 39.4	18.623 115	- 12 15	+ 16 13	2571
13304	8.6 K2	33 15.20	2.3689 192	54 54 57.2	18.635 120	- 12 19	- 29 13	2824
13305	8.8 K0	33 15.66	2.2192 191	59 55 22.3	18.635 112	- 13 15	- 56 13	2551
13306	7.9 K2	33 16.85	2.2817 193	58 0 7.4	18.636 115	+ 30 15	- 7 13	- 2574
13307	8.4 A0	33 26.72	+ 2.2192 + 192	59 58 28.3	+ 18.641 + 112	- 16 ± 15	- 53 ± 13	2552
13308	9.3 B	33 34.85	2.3644 193	55 11 6.0	18.645 119	+ 3 14	+ 8 12	2783
13309*	5.8 Mb	33 43.51	2.3395 194	56 8 46.9	18.650 118	+ 97 14	- 26 12	2821
13310	8.8 A0	33 54.23	2.2185 193	60 7 10.0	18.656 111	- 12 16	- 70 13	2421
13311	8.7 K7	33 56.01	2.3507 195	55 47 57.6	18.657 117	+ 31 14	- 22 10	2784
13312	8.5 K7	33 56.88	+ 2.2984 + 196	57 38 26.9	+ 18.657 + 115	+ 31 ± 15	- 13 ± 13	2576
13313	8.3 K7	34 1.26	2.2588 195	58 56 31.7	18.659 113	+ 44 15	+ 10 13	2464
13315	9.0 K0	34 12.99	2.3541 195	55 45 23.5	18.666 117	+ 37 14	- 3 12	2785
13318	7.7 F0	34 17.75	2.2821 197	58 16 37.2	18.668 114	+ 97 15	0 13	2465
13320	9.3 B	34 31.10	2.2814 197	58 21 57.7	18.675 113	+ 26 15	- 8 13	2466
13321	9.1 B	34 35.80	+ 2.2824 + 198	58 21 22.5	+ 18.678 + 113	+ 25 ± 15	- 25 ± 13	
13323	8.1 K	34 51.67	2.3658 197	55 30 32.7	18.686 117	+ 10 14	+ 4 12	2787
13325	8.4 A2	34 52.75	2.3326 198	56 44 12.5	18.687 115	- 19 13	+ 13 11	2825
13326	9.0 B9	35 0.54	2.2999 199	57 53 50.1	18.691 113	- 4 15	+ 7 13	2579
13327	9.3 B5	35 3.20	2.3356 199	56 40 42.7	18.692 115	- 1 14	+ 10 12	2826
13328	9.0 K5	35 5.10	+ 2.3337 + 199	56 45 13.6	+ 18.693 + 115	+ 22 ± 13	- 10 ± 11	2827
13332	9.1 F5	35 54.03	2.2404 201	60 1 48.0	18.719 109	- 16 15	- 90 13	- 2555
13333	9.0 F5	35 56.12	2.3566 201	56 10 37.8	18.720 115	- 24 14	- 4 12	2829
13334	8.6 F5	35 51.36	2.2533 202	59 37 41.4	18.718 110	+ 7 15	- 84 13	2556
13335	9.3 G0	35 59.19	2.2841 202	58 42 9.2	18.722 111	- 78 15	- 17 13	2467
13336	9.4	36 1.82	+ 2.2740 + 202	59 2 5.1	+ 18.723 + 111	+ 21 ± 15	- 22 ± 13	- 2468
13337	8.9 F0	36 7.25	2.2830 203	58 46 24.6	18.726 111	+ 30 15	+ 15 13	2469
13341	9.0 G5	36 28.57	2.3716 202	55 46 47.5	18.737 115	+ 13 16	- 14 12	2789
13342	9.1 F8	36 30.15	2.3762 202	55 36 42.3	18.738 115	+ 21 13	- 24 10	2790
13344	8.8 K2	36 32.70	2.3638 202	56 5 34.2	18.739 115	+ 24 14	+ 12 12	- 2791

13309 = PGC 5843.

Epoch of observation, 1915.73

22^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13346	9.4 A0	36 33.52	+ 2.3590 + 203	56 16 32.3	+ 18.740 + 114	-.006 ± 13	-.004 ± 11	2832
13349	8.8 G0	37 2.88	2.2799 206	59 8 29.3	18.755 110	- 3 15	- 105 13	2560
13351	9.0 G0	37 8.56	2.3596 205	56 25 54.3	18.758 114	+ 40 14	+ 28 12	2834
13352	9.1 F2	37 13.95	2.3196 206	57 53 7.0	18.761 111	+ 44 16	+ 10 12	2586
13353	8.7 A2	37 19.84	2.3817 204	55 39 21.3	18.764 114	- 11 16	- 1 12	2792
13354	8.0 A0	37 20.70	+ 2.3470 + 206	56 57 15.2	+ 18.764 + 113	+ 6 ± 15	- 10 ± 13	2836
13355	9.3 K5	37 21.95	2.3619 205	56 24 56.9	18.765 113	0 17	+ 36 15	2835
13356	8.4 A0	37 22.64	2.2786 207	59 16 41.0	18.765 109	+ 17 15	+ 2 13	2561
13357	8.0 A0	37 23.28	2.3519 206	56 47 24.0	18.765 113	- 3 17	- 3 14	2838
13358	8.6 A5	37 30.94	2.3648 206	56 21 17.4	18.769 113	+ 18 15	+ 30 13	2839
13359	8.0 A0	37 34.46	+ 2.3229 + 207	57 52 18.5	+ 18.771 + 111	+ 44 ± 16	- 25 ± 12	2587
13362	9.1 A	37 55.21	2.3771 206	56 0 49.3	18.782 113	+ 26 14	+ 24 12	- 2796
13363	8.8 B8	38 0.61	2.3596 208	56 41 57.6	18.785 112	+ 1 12	+ 13 10	2841
13364	9.4 A	38 1.82	2.3610 208	56 39 10.8	18.785 112	+ 25 14	+ 12 12	2842
13365	8.1 B9	38 2.10	2.3298 209	57 46 19.0	18.785 110	- 6 15	- 22 13	2588
13366	9.1	38 4.07	+ 2.3592 + 208	56 43 44.5	+ 18.786 + 112	+ 21 ± 15	- 7 ± 13	2843
13367	7.3 F0	38 14.66	2.3864 207	55 45 9.2	18.791 113	+ 116 14	+ 14 10	2797
13370	8.8 A7	38 22.66	2.3010 210	58 51 6.2	18.796 109	+ 25 15	+ 24 13	2472
13376	9.4 F8	39 15.02	2.2786 213	59 49 42.8	18.822 107	- 25 15	- 59 13	2563
13379	8.8 G5	39 32.31	2.3707 212	56 45 18.5	18.831 111	+ 102 17	+ 27 14	2845
13380	8.7 A3	39 32.39	+ 2.4107 + 210	55 12 3.8	+ 18.831 + 113	- 20 ± 14	- 10 ± 12	2800
13381	8.8 G5	39 32.72	2.3217 214	58 30 33.6	18.831 108	+ 32 14	+ 56 12	2474
13383	8.7 A3	39 36.98	2.3410 214	57 51 47.7	18.833 110	+ 26 15	+ 15 13	2592
13386	9.2 G0	39 42.10	2.3715 213	56 46 45.1	18.836 111	+ 50 14	- 7 12	2846
13387	9.3 G5	39 46.33	2.3193 215	58 39 31.5	18.838 108	+ 29 15	- 37 13	2476
13388	9.2 F8	39 47.43	+ 2.3361 + 215	58 5 13.9	+ 18.839 + 109	- 29 ± 14	- 44 ± 12	- 2593
13391	9.2 K	39 59.10	2.3727 214	56 49 21.9	18.844 110	+ 31 13	+ 37 12	2849
13392	9.0 A2	40 4.42	2.3776 214	56 40 3.4	18.847 110	- 13 14	+ 21 12	2850
13393	7.7 B8	40 4.88	2.2759 216	60 9 27.6	18.847 106	+ 43 16	+ 33 14	2433
13395	6.7 F5	40 8.21	2.3558 215	57 29 36.7	18.849 109	- 70 15	- 136 13	2595
13396	9.0 M3	40 9.06	+ 2.3984 + 213	55 53 15.4	+ 18.849 + 111	+ 19 ± 14	- 18 ± 10	2803
13397	9.2	40 14.77	2.3077 217	59 11 32.1	18.852 107	0 14	- 27 11	2564
13398	8.0 A2	40 19.65	2.3845 214	56 29 0.6	18.854 110	+ 59 14	0 12	2851
13399	9.3	40 20.64	2.3650 216	57 13 24.0	18.855 109	- 22 15	+ 16 13	2596
13400	9.1 B	40 21.09	2.3658 216	57 11 41.4	18.855 109	- 2 15	+ 10 13	2597
13401	9.2 B	40 21.71	+ 2.3772 + 215	56 46 31.3	+ 18.856 + 110	- 9 ± 12	- 4 ± 10	2852
13402	9.1 A3	40 41.58	2.3487 218	57 55 14.8	18.865 108	+ 52 13	- 31 13	2598
13403	9.1 A7	40 41.46	2.3474 218	57 58 6.9	18.865 108	- 18 12	- 44 11	2599
13405	9.0 B5	40 55.61	2.4022 215	55 59 10.6	18.872 110	+ 13 14	+ 14 12	2805
13406	7.7 F8	41 7.79	2.3665 219	57 24 55.8	18.878 108	+ 40 15	- 73 13	2601
13407	8.8 G0	41 11.21	+ 2.3671 + 219	57 24 41.7	+ 18.880 + 108	+ 10 ± 15	- 69 ± 13	2602
13408	9.2 A2	41 12.60	2.3913 217	56 30 13.5	18.881 109	+ 26 14	+ 12 12	2853
13409	8.8 F0	41 14.31	2.3777 218	57 1 49.2	18.881 109	+ 63 15	+ 25 13	- 2854
13410	9.5 B8	41 14.09	2.3966 217	56 18 25.7	18.882 109	- 40 17	- 3 15	——
13411	9.4 B5	41 15.23	2.3996 217	56 11 39.4	18.882 110	- 9 13	+ 10 11	2855
13412	9.2 F5	41 15.59	+ 2.4081 + 216	55 51 31.2	+ 18.882 + 110	- 10 ± 16	- 42 ± 12	2807
13416	8.9 K0	41 25.46	2.3989 218	56 16 38.8	18.887 109	- 32 15	- 7 13	2856
13417	9.4 B8	41 28.12	2.4021 217	56 10 2.3	18.888 109	- 6 17	0 15	2857
13418	8.2 K0	41 30.48	2.3521 221	58 3 28.4	18.889 107	+ 18 15	- 58 13	- 2605
13419	9.0 G0	41 31.72	2.3315 221	58 47 2.7	18.890 106	- 42 15	- 14 13	2478

Epochs: Stars 13346 to 13391, 1915.73; stars 13392 to 13419, 1915.76

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13423	8.9 A2	41 38.16	+2.3254 +222	59 1 34.9	+18.893 +105	+.009 ± 15	-.002 ± 13	-2479
13424	9.0 B	41 42.92	2.3655 221	57 38 14.2	18.896 108	+ 26 15	0 13	2606
13425	8.4 A0	41 50.86	2.4050 218	56 10 31.7	18.900 109	- 17 14	- 11 12	2858
13426	9.0 A5	41 55.50	2.3550 222	58 5 1.7	18.902 107	+ 12 15	- 22 13	-2608
13427	8.6 B	41 55.81	2.3731 221	57 25 32.7	18.902 108	+ 20 15	- 10 13	2607
13428	8.9 B	41 58.80	+2.4160 +218	55 46 23.2	+18.903 +109	0 ± 16	- 19 ± 12	2809
13429	8.3 A2	42 4.82	2.3015 224	59 57 9.6	18.906 104	- 1 16	- 36 13	2568
13430	8.4 F5	42 6.77	2.3417 224	58 36 56.6	18.907 106	- 1 15	- 26 13	2480
13431	8.5 B9	42 8.27	2.3878 221	56 56 11.1	18.908 108	+ 33 17	+ 14 14	2859
13432	8.0 K0	42 8.52	2.2977 224	60 5 42.2	18.908 104	- 29 16	- 32 13	-2569
13433	9.1 A2	42 9.69	+2.4277 +218	55 21 10.2	+18.909 +110	- 7 ± 14	+ 3 ± 12	2812
13434	9.1 G0	42 13.24	2.4172 219	55 48 14.6	18.910 109	+112 16	0 14	2811
13435	8.8 A0	42 18.34	2.3990 221	56 33 27.2	18.913 108	+ 8 15	- 2 13	2862
13436	9.0 G5	42 19.94	2.3461 224	58 31 47.3	18.914 106	+ 7 15	- 23 13	2481
13437	9.1 A	42 20.33	2.3989 221	56 34 23.7	18.914 108	+ 9 15	+ 7 13	2863
13438	9.1 B	42 21.24	+2.3658 +223	57 49 48.2	+18.914 +107	- 14 ± 15	- 15 ± 13	2611
13439*	6.4 A0	42 25.64	2.3666 223	57 49 25.8	18.916 107	+ 57 13	+ 10 11	2612
13441	9.0 A3	42 30.12	2.4130 220	56 3 55.9	18.918 109	+ 26 13	0 10	-2813
13442	9.1 A	42 33.48	2.3660 224	57 53 14.6	18.920 107	+ 61 13	- 13 11	2613
13443	8.5 A3	42 35.33	2.3900 222	56 59 48.8	18.921 107	+ 64 15	- 5 13	2865
13444	8.8 K0	42 35.45	+2.4030 +221	56 29 48.6	+18.921 +108	- 13 ± 12	- 6 ± 10	2864
13446	8.5 A2	42 43.20	2.3348 226	59 2 38.8	18.925 104	- 34 15	- 10 13	-2482
13447	8.6 A3	43 7.31	2.3255 228	59 29 11.2	18.937 104	- 35 16	- 29 13	2572
13449	8.5 A0	43 10.18	2.3558 227	58 27 7.7	18.938 105	- 38 15	- 5 13	2483
13450	8.8 F5	43 18.26	2.4418 220	55 8 26.8	18.942 109	+ 26 16	- 65 12	2814
13453	8.8 G5	43 32.45	+2.4314 +222	55 39 40.7	+18.949 +108	- 2 ± 14	+ 12 ± 12	2815
13454	9.0 G5	43 39.94	2.3572 229	58 33 35.3	18.952 104	+ 65 15	+ 18 13	2485
13455	9.0 B2	43 41.79	2.3180 230	59 54 52.1	18.953 102	- 12 16	- 25 13	2573
13456	8.9 K5	43 53.51	2.4198 225	56 15 14.5	18.959 107	- 4 13	- 11 11	2871
13457	9.0 B8	43 54.62	2.4236 225	56 6 15.4	18.959 107	- 13 13	- 19 11	-2816
13458	8.7 G5	43 57.51	+2.4322 +224	55 46 3.2	+18.960 +107	- 1 ± 14	- 18 ± 12	2817
13459	8.4 A2	43 59.71	2.4228 225	56 10 3.9	18.962 107	+ 7 12	+ 4 11	2872
13460	8.5 A0	43 59.79	2.3273 231	59 42 0.0	18.962 102	- 17 15	- 15 13	2575
13464	9.1 K0	44 34.23	2.4410 225	55 36 14.2	18.978 107	+ 22 14	- 36 12	2819
13467*	5.4 K0	44 37.62	2.4499 224	55 14 27.0	18.979 107	+103 14	+ 41 12	2820
13473	9.1 A5	45 8.73	+2.3638 +234	58 48 19.7	+18.994 +102	- 16 ± 15	+ 5 ± 13	2487
13476	8.8 A0	45 22.91	2.3861 234	58 4 6.6	19.001 103	- 27 16	- 16 12	-2626
13477	9.1 B8	45 23.70	2.4502 227	55 29 48.5	19.001 106	0 14	- 7 12	2823
13478	9.3 K5	45 29.08	2.4252 231	56 34 29.9	19.004 105	- 21 14	- 2 12	2879
13479	9.1 F2	45 41.68	2.4518 228	55 31 54.3	19.009 106	+ 52 13	- 8 10	2824
13480	8.6 G5	45 56.44	+2.3560 +238	59 20 36.1	+19.016 +101	+ 17 ± 15	- 16 ± 13	2583
13481	9.2 A2	46 8.59	2.4317 233	56 31 54.1	19.022 104	+ 23 14	- 11 12	2880
13483	9.0 F5	46 11.96	2.4271 233	56 44 26.3	19.024 104	- 18 14	- 19 12	2882
13486*	9.0 A0	46 26.48	2.4285 234	56 45 56.5	19.030 104	+ 15 14	- 6 12	2886
13489	6.8 B0	46 33.39	2.3892 238	58 20 44.5	19.033 102	- 47 15	- 14 13	2492
13490	9.2	46 37.34	+2.3386 +242	60 9 41.7	+19.035 + 99	+ 34 ± 16	- 35 ± 14	2451
13491	9.0 A	46 37.98	2.3932 238	58 12 55.4	19.035 102	+ 56 15	+ 26 13	2493
13492	9.0 F0	46 39.55	2.4602 231	55 30 17.4	19.036 105	+ 42 14	+ 10 12	2825
13493	9.0 B9	46 43.28	2.3696 240	59 7 10.4	19.038 100	- 10 15	- 16 13	2586
13495	8.6 A0	46 44.06	2.4121 237	57 31 31.5	19.038 102	- 41 16	- 27 12	2629

13439 = PGC 5883. 13467 = PGC 5887. 13486 = BDS 12020:9.4, 10.2, d5.

Epoch of observation, 1915.76

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AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "		"	"	
13496	9.2 G0	46 48.97	+ 2.4634 + 231	55 25 5.2	+ 19.040 + 105			2826
13497	9.0 A0	46 49.50	2.4401 234	56 25 12.2	19.041 104	+.033 ± 15	+.010 ± 13	2888
13498	8.4 A0	46 55.55	2.4507 233	56 0 22.8	19.043 104	+ 29 14	- 2 12	- 2827
13499*	7.6 K0	46 56.48	2.4256 237	57 3 30.0	19.044 103	- 124 14	- 194 12	- 2890
13500	9.1 F8	47 6.60	2.4024 240	58 1 45.7	19.048 101	+ 39 15	0 13	- 2632
13502	8.6 A0	47 11.43	+ 2.4754 + 231	55 1 6.0	+ 19.051 + 105	+ 29 ± 14	+ 19 ± 12	- 2874
13503	9.2 F5	47 17.13	2.4060 240	57 57 9.7	19.053 101	- 19 15	+ 4 13	2623
13504	9.1 B9	47 17.96	2.4592 234	55 46 21.3	19.054 104	+ 9 14	- 8 12	2829
13505	9.4 G0	47 19.08	2.3935 241	58 26 21.1	19.054 100	- 5 18	- 37 15	——
13506	7.4 G0	47 25.99	2.4540 235	56 2 42.0	19.057 104	+ 109 13	+ 39 10	- 2830
13507	7.4 K5	47 26.21	+ 2.4584 + 235	55 51 23.0	+ 19.057 + 104	+ 12 ± 14	+ 3 ± 11	2831
13508	9.2 B9	47 27.04	2.3956 242	58 24 21.6	19.058 100	- 1 15	+ 5 13	2494
13509	8.6 K5	47 27.16	2.3901 242	58 36 37.7	19.058 100	+ 11 15	- 7 13	2495
13510	9.0 A0	47 29.46	2.3931 242	58 30 39.4	19.059 100	+ 13 13	- 10 11	2496
13511	9.1 A2	47 31.11	2.4794 232	54 57 20.4	19.060 105	+ 26 14	+ 29 12	2877
13512	9.1 B8	47 36.16	+ 2.4661 + 234	55 34 42.2	+ 19.062 + 104	+ 27 ± 14	- 19 ± 12	2834
13513	8.2 A0p	47 39.26	2.4043 242	58 8 32.4	19.063 100	+ 67 15	0 13	2497
13520	9.1 K0	47 52.48	2.4439 238	56 37 46.7	19.069 102	- 30 14	- 5 12	2891
13522	8.8 K0	47 55.04	2.3817 245	59 4 42.8	19.070 99	+ 17 13	- 11 11	- 2499
13523	9.1 K0	47 58.28	2.3543 247	60 4 17.5	19.072 98	- 15 15	- 23 13	- 2593
13526	6.4 K2	48 5.02	+ 2.3734 + 246	59 26 11.9	+ 19.075 + 99	- 13 ± 16	- 12 ± 13	2595
13527	9.2 K7	48 13.03	2.4848 234	54 57 32.0	19.078 104			2878
13528	9.2 B9	48 14.76	2.4465 240	56 39 0.6	19.079 102	+ 26 14	+ 11 12	2893
13529	8.8 F5	48 17.68	2.4317 242	57 16 57.6	19.081 101	+ 19 15	+ 32 13	2635
13533	8.4 K0	48 55.16	2.4131 246	58 14 30.8	19.097 99	- 5 15	- 32 13	2500
13534	8.8 G5	48 58.76	+ 2.4457 + 243	56 56 48.9	+ 19.099 + 101	+ 11 ± 13	- 126 ± 11	2894
13539	8.4 K5	49 5.54	2.4652 241	56 9 14.6	19.102 101	+ 30 13	- 4 11	2895
13540	6.4 G5	49 5.95	2.4763 239	55 40 3.7	19.102 102	- 23 14	0 12	2837
13542	9.2 A2	49 16.06	2.3680 252	60 1 47.9	19.107 97	- 31 16	- 19 13	- 2597
13545	9.2 F2	49 30.62	2.4114 249	58 30 51.5	19.113 98	+ 14 15	+ 15 13	2502
13546	9.1 G5	49 32.66	+ 2.4727 + 241	55 59 16.5	+ 19.114 + 100	+ 56 ± 16	+ 30 ± 14	2839
13548	9.1 A0	49 34.95	2.4677 242	56 13 22.7	19.115 100	+ 28 13	- 4 11	2897
13550	9.2 B9	49 38.99	2.4340 247	57 40 8.4	19.117 99	- 23 15	+ 3 13	2637
13551	9.1 K5	49 39.21	2.4744 241	55 57 5.1	19.117 100	- 12 13	- 17 10	——
13552	9.0 A0	49 39.88	2.3722 253	60 1 5.3	19.117 96	- 15 16	- 35 13	- 2599
13553	8.8 A0	49 42.79	+ 2.4107 + 250	58 36 47.0	+ 19.119 + 98	- 75 ± 15	- 6 ± 13	2505
13555	8.8 A0	49 46.50	2.4343 248	57 41 58.7	19.120 99	+ 11 13	+ 6 11	2639
13556	8.5 K2	49 57.16	2.4397 248	57 32 39.6	19.125 99	+ 48 15	0 13	2640
13558	8.7 K5	50 5.63	2.4136 251	58 37 56.3	19.129 97	- 22 14	- 10 12	2510
13559	8.7 K2	50 13.68	2.4322 250	57 56 59.0	19.132 98	- 54 15	+ 14 13	2641
13560	8.8 A0	50 17.76	+ 2.4625 + 246	56 42 32.4	+ 19.134 + 99	- 2 ± 14	- 7 ± 12	2899
13561	8.8 A	50 24.25	2.4745 245	56 13 19.5	19.137 100	+ 26 13	- 10 11	2900
13562	8.6 G0	50 24.84	2.4666 246	56 34 28.9	19.137 99	+ 29 13	- 14 11	2901
13565	9.0 K0	50 42.36	2.4845 244	55 53 7.2	19.144 99	+ 47 12	- 65 13	2848
13566*	8.8 K2	50 45.88	2.4743 246	56 21 49.0	19.146 99	+ 62 14	+ 7 12	2906
13567	8.9 B8	50 48.13	+ 2.4015 + 256	59 20 34.2	+ 19.147 + 96	+ 29 ± 15	- 11 ± 13	2602
13569	7.1 A0	50 55.16	2.4485 251	57 31 43.6	19.150 97	+ 15 14	- 2 12	2644
13570	9.2	50 55.56	2.4755 247	56 22 22.2	19.150 99	+ 1 14	0 12	——
13571	9.1 A0	50 57.20	2.4798 246	56 11 38.7	19.151 99	0 13	0 11	2907
13572	6.7 B9	50 57.73	2.4889 245	55 47 0.0	19.151 99	+ 6 12	- 7 11	2850

13499 = BDS 12025: 8.0, 8.8, 0".5. 13566 = BDS 12070: 8.9, 11.4, 0".5. Epoch, 1915.76

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
13574	8.6 A0	51 1.29	+2.4810 +246	56 9 55.2	+19.153 +99	+.003 ± 13	-.010 ± 11	2908
13575	9.0 A0	51 2.35	2.4996 243	55 19 3.6	19.153 100	+ 19 14	0 12	2851
13576	8.2 B	51 2.56	2.4327 254	58 13 14.0	19.153 97	+ 4 15	- 11 13	2511
13577	9.1	51 2.79	2.4051 257	59 17 35.4	19.153 96	+ 18 15	0 13	2604
13580	8.5 A3	51 10.00	2.4812 247	56 12 25.7	19.156 99	+ 9 13	+ 4 11	2909
13581	9.2 K0	51 13.12	+2.4563 +251	57 18 53.7	+19.158 +98	- 32 ± 15	+ 20 ± 13	2648
13582	8.2 A0	51 20.19	2.4305 255	58 24 42.3	19.161 96	+ 5 15	- 23 13	2514
13583	9.1 K2	51 22.71	2.5024 244	55 18 54.5	19.162 99	+ 49 14	- 12 12	2852
13585	8.9 A2	51 38.77	2.4974 246	55 39 2.0	19.169 99	+ 24 12	- 6 9	2853
13588	9.0 K7	51 41.50	2.4925 248	55 53 38.2	19.170 98	+ 41 17	- 13 15	2854
13589	8.7 A0	51 45.63	+2.4372 +256	58 17 51.9	+19.172 +96	+ 13 ± 15	- 12 ± 13	2516
13590	8.5 A0	51 47.76	2.4192 259	59 1 23.6	19.173 95	+ 21 15	- 11 13	- 2515
13592	8.7 A	51 48.56	2.5121 244	55 1 6.4	19.173 99	+ 13 15	- 34 11	- 2884
13593	7.2 F0	51 49.09	2.4950 248	55 49 24.1	19.173 98	+ 20 13	- 65 11	2855
13594	7.3 B9	51 52.39	2.4128 260	59 17 38.3	19.175 95	+ 26 15	0 13	2607
13596	9.0 M0	51 54.35	+2.4693 +252	57 0 39.3	+19.176 +97	- 36 ± 14	+ 8 ± 12	- 2913
13597	9.0 F8	51 59.38	2.4967 248	55 48 51.6	19.178 98	+ 23 14	- 10 12	2856
13598	9.3 A0	51 59.39	2.4140 260	59 17 46.3	19.178 95	- 47 15	+ 12 13	——
13600	7.4 A0	52 12.82	2.4869 251	56 20 40.5	19.183 98	+ 13 13	+ 6 11	2915
13601	8.8 B8	52 18.53	2.4444 258	58 12 33.9	19.186 96	- 38 15	+ 9 13	2517
13602	8.1 F8	52 24.10	+2.5103 +247	55 19 46.6	+19.188 +98	+ 49 ± 14	- 18 ± 12	2858
13603	8.8 F5	52 26.70	2.5140 247	55 10 11.9	19.189 98	+ 91 16	+ 28 12	2859
13604	8.6 F5	52 26.79	2.4407 259	58 24 34.0	19.189 95	+ 40 15	+ 17 13	2518
13605	9.0 K7	52 33.86	2.5105 248	55 23 1.1	19.192 98	+ 16 14	+ 11 12	2860
13609	9.4 K2	52 59.38	2.4604 259	57 47 46.6	19.203 95	- 25 15	0 13	2653
13612	9.4 A0	53 16.19	+2.5015 +253	56 4 38.1	+19.210 +97	+ 58 ± 14	+ 14 ± 12	- 2862
13614	9.2 B9	53 30.29	2.4189 267	59 39 9.3	19.216 93	+ 4 15	- 22 13	2613
23615	8.9 F5	53 32.50	2.4269 266	59 21 39.5	19.217 93	- 79 15	- 42 13	2614
13619	8.8 M0	53 48.04	2.4833 259	57 6 35.1	19.223 95	0 15	- 24 13	2661
13620	8.6 A0	53 48.05	2.4652 262	57 53 59.4	19.223 94	- 7 15	+ 21 13	2660
13621	9.1 A0	53 53.59	+2.5077 +255	56 2 2.1	+19.226 +96	+ 17 ± 14	- 21 ± 12	- 2864
13622	8.9 A3	53 56.00	2.5044 256	56 11 59.3	19.227 96	+ 47 14	+ 15 12	2919
13623	9.3 G0	53 58.13	2.5266 251	55 9 21.6	19.228 96	- 18 14	- 8 12	2865
13624	6.6 B9	54 2.29	2.4370 267	59 8 42.7	19.229 93	+ 14 16	- 8 14	2615
13625	9.2 B3	54 11.13	2.4299 269	59 28 44.1	19.233 92	+ 35 16	- 17 14	2616
13627	9.5 A3	54 11.11	+2.4911 +260	56 54 39.8	+19.233 +95	- 31 ± 17	+ 7 ± 15	2921
13630	9.0 B9	54 33.49	2.4278 271	59 42 0.2	19.242 92	- 10 15	- 14 13	2617
13632	7.3 F0	54 47.52	2.4921 262	57 6 12.0	19.248 94	- 11 14	- 40 12	2663
13633*	6.1 G0p	54 49.44	2.5103 259	56 16 30.6	19.249 94	+ 18 14	+ 14 12	2923
13634	9.2 K5	54 50.52	2.5182 257	55 54 27.1	19.249 94	+ 55 14	- 4 12	2867
13635	9.0 K5	54 53.23	+2.5349 +254	55 6 22.2	+19.250 +95	- 4 ± 13	- 6 ± 10	2868
13636	9.2 A	54 54.25	2.5187 257	55 54 35.0	19.251 94	+ 23 14	- 11 12	2869
13637	8.8 B	55 0.66	2.4510 270	58 56 58.1	19.253 92	- 15 13	- 9 11	2521
13638	8.8 A	55 1.70	2.5305 255	55 22 47.5	19.254 95	+ 35 14	- 11 12	2871
13639	8.1 K0	55 6.25	2.4559 270	58 46 50.9	19.256 92	+ 25 15	+ 3 13	2522
13640	8.9 B5	55 6.36	+2.4787 +266	57 48 54.0	+19.256 +93	+ 41 ± 15	+ 24 ± 13	2664
13641	8.3 K5	55 9.61	2.4656 269	58 23 49.4	19.257 92	+ 16 15	+ 3 13	2523
13644	8.6 A2	55 46.25	2.4435 275	59 32 15.7	19.272 90	- 30 15	+ 3 13	2618
13645	8.9 A2	55 55.89	2.4631 273	58 48 6.2	19.276 90	- 4 15	+ 11 13	2526
13647	9.1 A0	55 59.66	2.4706 272	58 30 31.1	19.277 91	- 22 15	+ 14 13	2527

13633 = PGC 5931.

Epoch of observation, 1915.76

$22^h - 23^h$

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ′ ″	″		″		″		
13648	9.1	K	56 11.86	+2.5204	+263	56 20 36.1	+19.282	+93	+.027	±14	-.018	±12	2926
13650	8.1	B8	56 13.53	2.4937	269	57 35 33.9	19.283	91	+ 26	14	+ 9	12	2668
13651	6.3	K2	56 13.93	2.5188	264	56 26 2.8	19.283	92	- 21	14	- 19	12	2927
13653	8.9	B5	56 17.42	2.5451	258	55 9 30.8	19.284	94	+ 29	13	+ 3	10	2876
13654	9.3	B	56 18.03	2.5217	264	56 19 19.0	19.285	92	+ 32	14	- 13	12	2928
13655	9.0	A5	56 18.91	+2.4433	+278	59 45 4.8	+19.285	+89	- 32	±15	- 14	±13	2623
13657*	9.0	A2	56 24.30	2.4376	280	60 0 42.5	19.287	89	- 48	16	- 28	13	- 2624
13659	7.1	K2	56 32.81	2.4512	278	59 31 31.9	19.290	89	+ 27	15	+ 11	13	2625
13661	8.8	A7	56 35.39	2.4437	280	59 50 21.2	19.291	89	+ 32	15	- 16	13	2626
13664	9.0	K0	56 51.70	2.4992	271	57 35 45.6	19.298	91	+ 11	14	+ 4	12	2672
13665	9.5	B	56 55.02	+2.5228	+266	56 31 18.7	+19.299	+92	+ 2	±14	- 11	±12	2931
13666	8.4	K0	56 59.74	2.5408	263	55 40 23.7	19.301	92	- 36	13	- 15	10	2877
13667	8.6	K0	56 59.71	2.5007	272	57 35 17.7	19.302	90	- 151	14	- 234	12	2673
13670	8.8	K2	57 3.10	2.4618	279	59 17 19.3	19.303	89	- 12	15	- 13	13	2628
13673	8.9	B0	57 8.93	2.5367	264	55 56 23.3	19.305	92	+ 13	14	- 18	10	2878
13674	7.8	K5	57 9.11	+2.5025	+272	57 33 52.2	+19.305	+90	- 1	±14	- 9	±12	2674
13675	7.0	B3	57 14.72	2.4662	280	59 10 50.4	19.307	89	+ 4	16	- 14	13	2629
13676	8.6	K0	57 17.50	2.5280	267	56 25 33.3	19.308	91	- 113	14	+ 6	12	2933
13677	8.6	K0	57 23.36	2.4903	276	58 12 21.8	19.311	90	- 31	15	- 85	13	2532
13678	8.3	A0	57 24.02	2.5540	261	55 9 46.4	19.311	92	+ 40	13	- 11	11	2879
13679	7.6	A5	57 26.05	+2.4739	+279	58 55 58.2	+19.312	+89	+ 39	±15	+ 7	±13	2533
13680	9.1	B	57 26.46	2.5283	268	56 28 13.0	19.312	91	+ 46	14	- 12	12	2934
13682	7.6	K2	57 29.54	2.4756	279	58 53 6.2	19.313	89	+ 29	15	+ 21	13	2534
13683	8.6	K2	57 38.61	2.5264	269	56 38 41.0	19.317	91	- 5	14	- 7	12	2935
13690	5.7	G5	58 5.80	2.5037	277	57 53 28.7	19.327	89	+ 70	14	+ 12	12	2676
13691	9.0	K5	58 5.66	+2.5252	+272	56 53 21.2	+19.327	+90	- 1	±14	+ 5	±12	2937
13692	8.9	K5	58 6.27	2.5242	272	56 56 34.0	19.327	90	+ 6	14	- 23	12	2938
13693	9.2	B9	58 9.29	2.4605	286	59 46 24.4	19.329	87	- 12	15	- 15	13	2630
13695	7.0	B5	58 13.82	2.4613	286	59 46 21.8	19.330	87	- 21	15	+ 11	13	2631
13697	8.8	K2	58 19.84	2.5567	265	55 24 55.9	19.333	91	- 23	14	- 9	12	2880
13700	7.4	F0	58 31.22	+2.5450	+270	56 5 29.8	+19.337	+90	+ 41	±14	+ 23	±12	- 2881
13702	9.0	G5	58 40.08	2.5163	277	57 32 56.2	19.340	89	- 26	15	+ 12	13	2681
13705	9.0	B5	58 46.50	2.4751	286	59 24 52.4	19.343	87	+ 3	15	+ 10	13	2635
13706	9.1	F0	58 57.56	2.5491	271	56 4 24.0	19.347	89	+ 60	14	+ 22	12	- 2885
13707	8.4	A3	58 57.33	2.4853	286	59 3 11.4	19.347	87	+ 15	15	+ 14	13	- 2540
13708	8.5	B8	58 58.13	+2.4670	+289	59 49 52.4	+19.347	+86	- 18	±15	+ 33	±13	2637
13709	9.3	B3	58 58.17	2.5085	281	58 1 56.4	19.347	88	- 20	15	+ 16	13	- 2682
13710	9.2	B5	58 58.50	2.4770	287	59 24 55.1	19.348	87	- 18	13	+ 9	11	2636
13713	7.1	Ma	59 3.68	2.5556	269	55 46 59.0	19.349	89	+ 17	14	- 44	12	2886
13714	8.7	A	59 10.49	2.5585	269	55 40 53.0	19.352	89	- 34	14	- 22	12	2887
13716	8.2	F2	59 19.70	+2.5723	+266	55 1 6.5	+19.356	+90	+ 14	±14	- 48	±12	- 2909
13718	8.6	A0	59 28.76	2.5125	282	58 3 39.1	19.359	88	- 38	17	- 20	14	- 2684
13720	6.7	A0	59 33.75	2.5552	272	56 0 59.8	19.361	89	+ 13	13	- 27	10	- 2889
13722	8.9	G5	59 44.30	2.5206	282	57 47 33.7	19.365	87	- 11	12	+ 7	11	2686
13724	8.7	F5	59 48.54	2.5169	283	57 59 40.9	19.367	87	- 51	17	+ 22	15	2687
13725	7.2	K0	59 49.57	+2.5156	+284	58 3 29.2	+19.367	+87	+ 5	±12	+ 17	±10	- 2688
13726	8.6	B3	59 54.96	2.5269	282	57 34 2.1	19.369	87	+ 4	15	+ 14	13	2689
13740	9.0	K5	1 4.43	2.5674	277	56 2 38.9	19.395	87	+ 21	16	+ 31	14	- 2896
13741	9.0	K0	1 6.08	2.5511	282	56 53 31.0	19.396	86	- 16	13	- 31	10	2947
13743	9.3		1 17.71	2.5870	272	55 4 52.4	19.400	87	+ 6	17	+ 30	14	- 2913

13657 = BDS 12123: 9.1, 11.4, 0″.8.

Epochs: Stars 13648 to 13726, 1915.76; stars 13740 to 13743, 1915.80

23^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
13745*	5.0 B1	1 20.17	+2.5145 +293	58 44 39.8	+19.401 +85	+.004 ± 15	-.011 ± 13	2545
13747	9.1 B3	1 31.18	2.5712 278	56 2 18.4	19.405 86	- 5 14	+ 22 12	- 2898
13750	6.4 B3	1 53.95	2.5130 296	59 3 6.3	19.413 84	- 6 14	+ 21 12	- 2546
13752*	7.2 A2	1 56.61	2.4882 302	60 9 25.3	19.414 83	- 20 16	- 31 13	2482
13756	7.6 K0	2 7.20	2.5310 293	58 18 49.7	19.418 84	+ 21 14	+ 31 12	2547
13757	8.9 A0	2 8.91	+2.5433 +290	57 44 13.4	+19.419 +84	+ 40 ± 14	+ 5 ± 12	2693
13758	9.3 F8	2 17.46	2.5402 292	57 56 36.7	19.422 84	+117 14	+ 93 12	2694
13759	8.9 K5	2 20.19	2.5350 294	58 13 17.6	19.423 84	- 31 13	+ 11 11	2548
13761	8.8 F5	2 21.16	2.5391 293	58 1 45.0	19.423 84	- 28 14	0 12	- 2695
13768	7.5 G0	2 59.56	2.5749 286	56 30 11.4	19.437 84	- 15 12	- 2 10	2952
13769	9.2 A2	3 0.36	+2.5996 +278	55 9 9.7	+19.437 +85	+ 11 ± 13	- 26 ± 10	2904
13771	9.3 B5	3 7.13	2.5972 279	55 20 24.8	19.440 85	+ 36 14	0 12	2905
13772	8.6 A2	3 10.20	2.5127 304	59 36 40.0	19.441 82	- 8 15	+ 27 13	2647
13773	8.4 G5	3 10.79	2.5817 285	56 13 29.8	19.441 84	- 2 14	- 3 12	2953
13774	9.0 A0	3 17.37	2.6012 279	55 11 48.7	19.443 85	- 11 13	+ 8 10	2906
13776	8.9 M0	3 30.11	+2.6006 +280	55 19 30.6	+19.448 +84	+ 17 ± 12	- 33 ± 10	2907
13778	8.5 F8	3 43.29	2.5208 306	59 29 2.8	19.452 81	+ 80 15	- 18 13	2650
13780	9.0 K5	3 47.42	2.5498 298	58 8 36.7	19.454 82	- 24 15	+ 16 13	2550
13783	9.4 B8	3 57.59	2.5231 307	59 29 4.9	19.458 81	+ 12 15	- 17 13	2651
13785	9.0 F0	4 0.23	2.5312 305	59 7 45.8	19.459 81	+ 15 14	+ 8 12	2652
13787	9.0 K2	4 5.73	+2.5243 +307	59 29 20.7	+19.461 +81	+ 20 ± 15	+ 15 ± 13	2653
13794*	6.1 A3	4 23.72	2.5449 304	58 39 17.9	19.467 81	- 11 14	- 4 12	2552
13795	9.1 B8	4 24.34	2.5318 307	59 16 50.7	19.467 80	+ 16 15	0 13	2654
13799	8.5 A	4 29.89	2.5468 304	58 36 38.4	19.469 81	- 25 14	+ 19 12	2553
13801	8.2 K0	4 41.25	2.5954 289	56 10 12.4	19.473 82	+ 18 14	- 7 12	2956
13802	9.4 B8	4 41.48	+2.5503 +304	58 31 26.2	+19.473 +80	+ 25 ± 15	- 3 ± 13	2554
13803	9.3 B8	4 41.94	2.5608 301	58 0 39.6	19.473 81	- 28 14	- 32 12	- 2701
13804	9.2	4 42.49	2.5842 293	56 47 38.0	19.473 82	- 12 14	+ 6 12	2957
13806	8.4 K7	5 2.42	2.5951 292	56 21 4.5	19.480 82	+ 44 14	+ 5 12	2959
13808	8.1 K0	5 15.80	2.5301 313	59 44 34.6	19.485 79	- 27 15	- 20 13	2660
13810	9.0 G5	5 20.53	+2.5604 +305	58 19 25.6	+19.487 +80	+ 5 ± 14	- 48 ± 12	2555
13811	8.9 A	5 30.37	2.5793 300	57 25 48.1	19.490 80	- 15 14	+ 9 12	2705
13812	8.4 K2	5 31.75	2.5371 313	59 32 1.2	19.491 79	- 5 15	- 20 13	2661
13813	9.0 A0	5 33.01	2.5389 313	59 27 38.4	19.491 79	+ 2 15	- 21 13	2662
13814	9.2 A5	5 35.85	2.5976 294	56 28 50.4	19.492 81	+ 7 14	- 38 12	2961
13815	9.1 A2	5 37.83	+2.5432 +312	59 17 21.3	+19.492 +79	+ 80 ± 14	- 24 ± 12	2663
13818	9.5 K	5 52.69	2.5610 308	58 32 5.5	19.497 79	+ 96 15	- 14 13	2556
13821	9.3 B9	6 2.53	2.5412 315	59 34 26.8	19.501 78	+ 24 15	- 11 13	——
13823	8.2 A3	6 11.49	2.6201 290	55 28 30.8	19.504 81	+ 19 12	+ 4 10	2914
13824	9.1 K0	6 14.24	2.6277 287	55 2 43.9	19.505 81	- 51 16	- 32 14	- 2928
13825	9.2 F2	6 15.95	+2.5742 +307	58 2 50.0	+19.506 +79	0 ± 14	- 38 ± 12	- 2707
13826	8.9 B8	6 16.92	2.6043 296	56 25 48.0	19.506 80	+ 27 12	- 21 10	2962
13829	9.0 B8	6 39.58	2.6209 292	55 39 32.9	19.514 80	- 18 14	- 16 12	2915
13831	8.7 B5	6 52.14	2.5405 321	59 59 13.7	19.518 77	- 22 15	+ 24 13	2668
13834	8.8 A0	6 54.40	2.6318 289	55 7 24.0	19.519 80	- 4 11	- 5 9	2916
13835	9.3 B8	6 57.15	+2.5797 +309	58 5 18.9	+19.519 +78	- 6 ± 14	+ 15 ± 12	- 2709
13836	8.4 K5	6 57.31	2.6107 298	56 23 40.5	19.519 79	+ 2 14	- 23 12	2963
13837	9.1 A0	7 6.00	2.6138 298	56 17 34.0	19.522 79	- 7 14	+ 4 12	2964
13839	8.7 B9	7 9.39	2.6215 295	55 51 49.4	19.523 79	+ 68 15	+ 21 13	2917
13840	9.1 K5	7 14.28	2.6203 296	55 58 37.6	19.525 79	+ 17 14	- 25 12	2918

13745 = PGC 5955. 13752 = BDS 12177: 7.7, 8.2, 0″.6. 13794 = PGC 5969.

Epoch of observation, 1915.80

23h

AG No	Magn	Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Proper Motions in RA		in Decl		BD No
			m s	s		° ′ ″	″						
13841*	6.0	K2	7 26.54	+2.6120	+300	56 28 54.2	+19.526	+78	″		″		2966
13843	8.2	B8	7 19.50	2.5439	324	60 2 14.1	19.527	76	+.014	±15	+.021	±13	-2670
13844	7.0	G5	7 23.01	2.6236	296	55 51 25.4	19.528	79	-10	14	-18	12	2919
13848	8.1	A2	7 36.69	2.6096	303	56 46 46.5	19.533	78	+15	14	+18	12	2969
13850	9.2	F2	7 59.71	2.6148	303	56 40 30.7	19.540	77	+33	12	+27	10	2970
13851	8.5	A2	8 1.67	+2.5862	+314	58 16 8.9	+19.541	+77	-54	±15	+12	±13	2563
13852	9.2	A0	8 5.47	2.6262	299	56 3 29.2	19.542	78	-9	14	+2	12	-2920
13853	9.0	B3	8 15.10	2.5817	318	58 36 25.8	19.545	76	-3	15	-7	13	2564
13856	8.4	A0	8 25.63	2.6101	308	57 9 24.9	19.549	77	-15	14	-11	12	2712
13857	9.2	B8	8 32.88	2.6395	297	55 28 57.3	19.551	77	-3	14	+4	12	2921
13858	8.5	B	8 34.24	+2.5743	+322	59 8 23.4	+19.551	+75	+22	±15	+3	±13	2673
13859	8.0	K7	8 38.11	2.6099	310	57 16 22.2	19.553	76	+8	14	-3	12	2713
13860	8.9	B	8 38.18	2.5836	320	58 41 39.7	19.553	75	+18	14	+18	12	2565
13864	9.1	B9	9 0.65	2.5594	331	60 5 21.0	19.560	74	+20	13	-4	11	-2676
13867	9.1	B0	9 9.59	2.5796	325	59 9 21.3	19.563	75	+31	15	-12	13	2677
13869	9.4	A0	9 16.36	+2.6508	+297	55 8 41.7	+19.565	+77	+34	±13	-25	±10	2924
13870	8.6	A0	9 19.69	2.6448	300	55 33 8.4	19.566	76	+20	14	-7	12	2925
13871	8.7	K	9 21.77	2.6370	303	56 2 58.5	19.567	76	+13	14	+7	12	-2926
13872	9.0		9 28.14	2.5644	332	60 4 5.2	19.569	73	-35	13	-7	11	-2678
13873	9.4		9 29.85	2.5649	332	60 3 25.1	19.569	74	-17	14	-14	12	-2679
13875	8.5	F8	9 34.86	+2.6459	+301	55 36 49.2	+19.571	+76	+72	±14	+3	±12	2928
13877	9.3	0a	9 48.20	2.5737	331	59 46 9.5	19.575	73	+21	15	+5	13	2683
13882	8.0	K2	10 12.01	2.6222	316	57 21 42.9	19.583	74	-6	14	0	12	2714
13884	8.5	K2	10 18.64	2.5742	335	59 59 44.7	19.585	73	+49	14	+23	12	2685
13885	7.8	A0	10 18.39	2.6459	306	55 59 40.5	19.585	75	-18	14	+6	12	2929
13889	9.0	K0	10 30.84	+2.5854	+333	59 31 40.1	+19.589	+72	-17	±16	-13	±13	2686
13890	9.0	A7	10 34.21	2.5870	332	59 28 17.5	19.590	72	+35	16	-6	13	2687
13894	8.8	A0	10 46.40	2.6304	316	57 10 52.8	19.593	73	-5	14	+23	12	2715
13897	9.4	A2	10 55.36	2.6239	320	57 38 22.0	19.596	73	-25	14	-32	12	2716
13900	9.0	A0	11 1.23	2.6011	330	58 57 26.6	19.598	72	-7	13	+10	11	2569
13903	7.0	A0	11 19.32	+2.6388	+316	56 57 58.6	+19.604	+73	+1	±14	-16	±12	2978
13904	9.0	A3	11 22.37	2.6036	332	59 0 22.3	19.605	72	-5	14	+15	12	-2571
13906	8.9	B9	11 28.62	2.5996	334	59 16 1.5	19.606	71	+67	18	+23	12	2690
13907	9.0	A5	11 30.15	2.6604	308	55 42 52.8	19.607	73	+19	14	+2	12	2933
13909	9.1		11 40.22	2.6012	335	59 17 1.6	19.610	71	+31	15	0	13	2691
13914	8.0	K5	12 8.78	+2.5929	+342	59 58 0.7	+19.619	+70	-4	±15	-9	±13	2693
13920	8.4	A0	12 30.17	2.5963	344	59 58 26.5	19.625	69	-10	15	-10	13	2694
13922	9.1	B8	12 34.33	2.6776	307	55 9 37.2	19.626	72	-10	13	0	11	2936
13923	8.6	B0	12 35.61	2.6121	338	59 10 34.7	19.627	70	-15	15	-11	13	2695
13924	8.5	K	12 37.57	2.6720	310	55 34 14.1	19.627	71	-12	14	-7	12	2937
13925	9.0	G0	12 38.89	+2.6334	+329	57 59 48.4	+19.628	+70	+8	±14	-15	±12	2718
13927	9.0	B5	12 44.27	2.6080	341	59 28 13.1	19.629	69	+42	15	+11	13	2696
13928	8.7	A2	12 44.17	2.5988	345	59 57 32.7	19.629	69	-1	15	+13	13	2697
13929	8.5	M0	12 50.75	2.6069	342	59 35 23.3	19.631	69	-11	16	-23	13	2698
13930	8.3	A	12 54.20	2.6219	336	58 47 41.4	19.632	69	-30	14	+6	12	2572
13931	8.3	A0	12 55.65	+2.6445	+326	57 29 1.8	+19.633	+70	+2	±14	+26	±12	2719
13936	9.1	A0	13 18.89	2.6311	335	58 29 23.1	19.640	69	-52	14	+5	12	2573
13938	8.7	B0	13 30.91	2.6106	346	59 44 35.2	19.643	68	-12	16	+6	14	2699
13940	8.5	Ma	13 54.67	2.6877	311	55 13 6.5	19.650	70	+19	14	-24	12	2939
13942	9.1	A5	14 0.34	2.6757	318	56 5 29.8	19.652	70	+1	14	+13	12	2940

13841 = PGC 5976.

Epoch of observation, 1915.80

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
13943	8.9 G5	14 1.49	+2.6513 +331	57 40 21.9	+19.652 +69	+.002 ± 12	+.027 ± 10	2720
13944	8.8 G0	14 4.20	2.6446 335	58 6 12.6	19.653 69	− 76 14	− 67 12	−2721
13945	9.1 A3	14 6.86	2.6332 341	58 48 0.1	19.654 68	+ 25 14	− 9 12	2576
13946	9.3 G0	14 8.39	2.6920 310	55 2 23.2	19.654 70	+184 12	− 20 10	−2952
13947	8.9 F2	14 8.29	2.6137 350	59 54 28.9	19.654 68	− 25 15	+ 3 13	2700
13948	6.5 K2	14 13.46	+2.6705 +323	56 33 35.2	+19.655 +69	+ 11 ± 14	− 15 ± 12	2985
13949	9.2 A0	14 14.68	2.6934 310	55 0 46.7	19.656 70	+ 22 12	− 10 10	−2953
13950	8.3 B9	14 17.83	2.6323 343	58 56 58.4	19.657 68	− 7 14	+ 2 12	2577
13955	8.6 B	14 39.77	2.6952 313	55 7 25.6	19.663 69	+ 42 16	− 13 14	2942
13959	8.4 G0	14 46.18	2.6554 335	57 49 57.2	19.665 67	+ 33 14	− 3 12	2723
13961	6.6 F2	14 49.89	+2.6262 +350	59 35 26.7	+19.666 +66	− 31 ± 14	− 4 ± 12	2701
13962	8.2 K5	14 57.15	2.6934 316	55 25 45.8	19.668 68	− 18 14	− 25 12	2943
13963	9.2 B8	14 57.96	2.6245 352	59 45 27.3	19.668 66	− 9 15	− 5 13	2702
13964	8.2 B	14 59.12	2.6612 334	57 35 36.1	19.669 67	− 18 14	− 4 12	2724
13969	9.1 F5	15 8.99	2.6690 331	57 11 20.9	19.671 68	+ 12 14	+ 16 12	2726
13973	8.7 A0	15 32.59	+2.7008 +316	55 14 46.3	+19.678 +67	+ 33 ± 14	− 17 ± 12	2944
13974	8.7 A5	15 36.08	2.6422 349	59 5 52.4	19.679 66	+ 26 14	+ 31 12	−2581
13975	6.8 K0	15 36.39	2.6303 355	59 47 13.0	19.679 65	− 66 15	− 4 13	2703
13977*	9.2 A3	15 42.33	2.6293 356	59 53 46.2	19.681 65	− 9 15	+ 4 13	2704
13978	9.1 K5	15 43.05	2.6985 319	55 30 57.3	19.681 67	− 10 14	− 17 12	2945
13980	9.2	15 45.95	+2.6850 +327	56 29 23.0	+19.682 +67	− 12 ± 14	0 ± 12	2992
13982	9.0 B8	15 53.84	2.6680 338	57 41 1.9	19.684 66	+ 11 14	0 12	2728
13983	7.9 F2	15 58.52	2.7073 316	55 1 26.1	19.685 67	+109 13	+ 7 10	−2960
13988	9.3 B3	16 27.55	2.6755 338	57 31 53.3	19.693 65	− 57 17	− 18 14	2730
13989	7.6 B8	16 30.14	2.7030 323	55 39 47.3	19.694 66	+ 4 14	+ 6 12	2946
13996	9.2 A0	16 47.28	+2.6586 +351	58 47 32.1	+19.699 +64	− 28 ± 14	− 18 ± 12	2582
13998	9.1 G0	16 57.59	2.6662 348	58 24 49.6	19.702 64	+101 15	+ 18 13	2584
13999*	5.7 K5	16 58.49	2.6495 357	59 26 53.7	19.702 64	− 19 15	+ 4 13	2710
14004	9.2	17 35.32	2.6868 342	57 27 0.9	19.712 64	+ 27 14	− 4 12	2733
14005	9.1 F5	17 34.98	2.7009 333	56 28 40.6	19.712 64	− 65 14	−117 12	2994
14007	9.1 F0	17 46.75	+2.6887 +342	57 26 17.4	+19.715 +63	+ 24 ± 14	− 13 ± 12	2734
14008	8.9 A2	17 55.19	2.7047 334	56 24 21.2	19.717 64	+ 19 14	− 6 12	2996
14010	9.2 A0	17 59.03	2.7158 327	55 38 13.0	19.718 64	+ 19 14	+ 8 12	2951
14013	8.8 A2	18 9.77	2.7175 328	55 37 18.3	19.721 64	+ 6 12	− 7 10	2952
14016	8.6 A0	18 16.37	2.6774 354	58 29 20.6	19.723 62	0 15	− 11 13	2586
14019*	6.7 B5	18 27.36	+2.7032 +339	56 50 57.7	+19.726 +63	+ 1 ± 14	− 5 ± 12	2999
14020	8.5 A0	18 32.82	2.7180 331	55 49 44.1	19.727 63	+ 14 13	0 10	2954
14021	8.8 B5	18 38.25	2.6721 360	59 2 42.3	19.729 61	+ 17 15	− 7 13	−2588
14022	9.1 A0	18 39.12	2.6804 355	58 31 19.7	19.729 61	− 8 13	− 10 11	2587
14023	9.3 A3	18 42.51	2.6727 360	59 3 10.3	19.730 61	+ 32 15	+ 5 13	——
14025	9.1 F2	18 49.32	+2.6860 +353	58 15 28.7	+19.731 +61	− 33 ± 15	+ 17 ± 13	2589
14028	8.7 A2	18 59.10	2.6805 358	58 43 17.5	19.734 61	− 26 15	0 13	2590
14031	9.2 B9	19 4.83	2.7183 335	56 8 36.9	19.735 62	0 13	− 13 11	3001
14032	9.0 A0	19 7.46	2.6712 365	59 23 45.9	19.736 61	− 29 15	− 16 13	2715
14034	9.1 B9	19 8.74	2.6696 366	59 30 30.4	19.736 61	+ 1 15	− 21 13	2716
14036	7.0 K0	19 12.14	+2.7288 +329	55 25 11.0	+19.737 +62	+ 14 ± 14	+ 5 ± 12	2956
14037	9.1 F5	19 13.76	2.6685 368	59 38 3.8	19.738 60	− 69 16	+ 2 14	2717
14040	9.1 A5	19 26.24	2.6994 351	57 43 54.0	19.741 61	+ 17 13	− 26 11	2736
14041	8.5 F2	19 29.03	2.7216 336	56 9 23.9	19.742 61	+ 31 13	− 14 11	3002
14044	9.1	20 0.27	2.6681 376	60 7 43.2	19.750 59	− 9 15	− 39 13	2538

13977 = BDS 12324½: 9.9, 10.1, 0″.8.

13999 = PGC 6016.

14019 = PGC 6021 = BDS 12348: 7.4, 7.6, 0″.3.

Epochs: Stars 13943 to 14041, 1915.80; star 14044, 1915.77

23h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
14045	9.0 B8	20 1.94	+2.7323 +334	55 41 11.3	+19.750 +61	+ .017 ± 14	+ .011 ± 12	2958
14047	8.3 A	20 10.19	2.6878 365	58 58 48.7	19.752 60	- 4 14	0 12	2591
14051	8.9 A	20 45.94	2.6990 364	58 36 41.7	19.761 58	- 35 14	- 9 12	2593
14054	8.2 F8	20 53.66	2.7332 341	56 11 45.4	19.763 59	- 48 14	+ 144 12	3009
14056	9.0 F8	20 57.95	2.7084 360	58 4 20.0	19.764 58	+ 128 14	- 126 12	- 2739
14058	8.4 M0	21 4.92	+2.6856 376	59 41 54.3	+19.766 +58	- 19 ± 15	- 4 ± 13	2724
14061	8.7 F0	21 13.40	2.7420 338	55 42 38.5	19.768 59	+ 29 13	- 23 10	2960
14067	9.2 G5	21 24.61	2.7334 346	56 31 33.9	19.771 58	- 15 14	- 23 12	3010
14068	9.2 F8	21 28.26	2.7441 339	55 42 42.6	19.772 59	+ 24 14	- 2 12	2961
14073	8.9 A0	21 53.98	2.6908 381	59 53 7.7	19.778 56	- 27 15	- 11 13	2728
14075	7.4 A0	22 13.38	+2.7071 +373	59 0 27.7	+19.782 +57	- 54 ± 14	- 15 ± 12	- 2595
14076	8.9	22 18.57	2.6907 386	60 9 32.8	19.784 56	+ 15 16	- 2 14	2546
14077	7.6 Ma	22 20.60	2.7133 370	58 38 48.6	19.784 56	- 13 14	+ 9 12	2596
14082	7.3 K0	22 30.07	2.7044 378	59 22 9.4	19.786 56	+ 45 15	+ 11 13	2729
14085	9.1 K2	22 42.96	2.7595 338	55 18 11.6	19.789 57	+ 16 14	+ 12 12	2964
14087	8.2 K5	23 14.66	+2.7554 +347	56 1 36.8	+19.797 +56	+ 8 ± 14	+ 10 ± 12	- 2965
14088	9.4 F2	23 14.84	2.7668 338	55 2 49.9	19.797 56	+ 21 14	- 34 12	- 2989
14091	7.8 B5	23 21.41	2.7171 378	59 3 52.5	19.798 55	- 10 14	+ 13 12	- 2598
14094	9.2 B9	23 36.64	2.7614 346	55 46 32.1	19.802 55	+ 29 14	- 14 12	2966
14096	8.5 K2	23 41.84	2.7251 376	58 43 13.2	19.803 54	- 26 14	- 5 12	2599
14097	9.5 B	23 42.88	+2.7226 +378	58 54 50.6	+19.803 +54	+ 55 ± 15	- 5 ± 13	2600
14098	8.1 B3	23 46.75	2.7232 378	58 54 53.6	19.804 54	- 1 14	- 9 12	2601
14099	8.5 K5	23 47.37	2.7619 347	55 52 0.2	19.804 55	0 16	- 16 12	2967
14100	9.1 A5	23 48.07	2.7519 356	56 42 44.5	19.805 54	+ 15 14	0 12	3013
14101	8.2 A0	23 59.89	2.7608 350	56 6 53.3	19.807 55	+ 31 14	+ 18 12	3015
14102*	7.6 A0	24 6.69	+2.7403 +368	57 51 34.5	+19.809 +54	+ 37 ± 14	- 7 ± 12	2747
14105*	5.2 B3	24 16.22	2.7418 369	57 51 36.1	19.811 53	+ 49 14	+ 7 12	2748
14106	8.0 Ma	24 23.12	2.7315 379	58 43 55.6	19.813 53	+ 26 14	+ 9 12	2602
14109	9.0 K0	24 34.93	2.7419 372	58 4 44.4	19.815 53	- 23 14	- 23 12	- 2749
14110	9.0 G5	24 51.42	2.7683 353	56 5 57.4	19.819 53	+ 90 14	+ 95 12	- 2970
14111	8.9 F5	24 53.94	+2.7218 +392	59 47 54.9	+19.820 +52	- 30 ± 15	- 26 ± 13	2736
14115	8.6 A2	25 5.11	2.7510 371	57 43 34.9	19.822 52	+ 14 14	- 6 12	2752
14119	9.0 A0	25 14.76	2.7833 344	55 2 50.0	19.824 53	+ 13 14	- 26 12	- 2996
14121	8.8 B8	25 17.04	2.7835 344	55 3 30.3	19.825 53	+ 14 13	- 50 10	- 2998
14122	7.0 K0	25 24.11	2.7436 379	58 28 24.6	19.825 52	+1.068 14	+ 108 12	2605
14123	9.3 A2	25 24.98	+2.7840 +345	55 6 34.7	+19.826 +53	+ 21 ± 14	- 22 ± 12	- 2999
14126	7.0 K5	25 37.74	2.7428 384	58 46 21.9	19.829 51	- 5 14	+ 1 12	2607
14129	8.5 A0	25 42.15	2.7679 363	56 46 42.9	19.830 52	+ 27 14	+ 15 12	3018
14130	9.2 B	25 42.19	2.7482 380	58 24 5.4	19.830 51	- 21 14	- 11 12	2608
14132	9.1 A0	25 48.59	2.7871 346	55 7 33.6	19.832 52	+ 11 14	- 17 12	2972
14134	7.1 K2	25 56.85	+2.7504 +381	58 24 10.2	+19.833 +51	+ 14 ± 12	0 ± 11	2609
14135	8.6 A5	25 58.63	2.7319 397	59 50 24.4	19.834 50	+ 11 15	- 13 13	2740
14136	8.9 A2	26 4.65	2.7557 378	58 4 48.4	19.835 51	- 6 14	- 1 12	- 2756
14141	8.8 K7	26 45.39	2.7573 385	58 27 48.7	19.844 50	+ 44 14	- 18 12	2611
14142	8.3 B9	26 45.44	2.7954 349	55 4 44.7	19.844 50	+ 11 14	- 15 12	- 3003
14144	8.9 K0	26 48.38	+2.7855 +359	56 3 26.9	+19.844 +50	+ 17 ± 13	+ 2 ± 11	- 2974
14149	7.7 A0	26 57.80	2.7740 372	57 12 56.2	19.846 50	+ 4 14	0 12	2758
14150	8.1 K0	26 58.56	2.7722 373	57 22 55.2	19.846 50	+ 19 14	- 5 12	2759
14153	8.6 K2	27 8.19	2.7427 402	59 53 34.1	19.848 49	+ 31 15	- 12 13	2743
14157	8.7 A0	27 17.48	2.7928 357	55 45 36.5	19.850 49	+ 5 14	+ 8 12	2976

14102 = BDS 12405:7.8,9.4,1".5. 14105 = PGC 6046 = BDS 12405:5.2,9.6,1".2.

Epoch of observation, 1915.77

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
14158	9.3 F	27 22.48	+ 2.7934 + 358	55 45 53.8	+ 19.851 + 49	+.089 ± 16	+.013 ± 14	——
14163	8.5 F8	27 31.90	2.7628 389	58 37 0.4	19.853 48	- 13 14	- 39 12	2612
14164	7.0 K0	27 32.83	2.7490 402	59 43 12.1	19.853 48	+ 76 15	+ 3 13	2744
14165	7.0 K0	27 48.50	2.7509 404	59 46 42.1	19.857 48	- 31 15	- 21 13	2746
14166	7.9 A0	27 48.56	2.7563 399	59 21 39.0	19.857 48	- 27 16	- 6 14	2745
14168	8.6 K0	27 53.36	+ 2.8032 + 354	55 14 18.1	+ 19.858 + 48	- 13 ± 16	- 16 ± 12	2981
14169	8.3 B9	27 59.26	2.7907 368	56 31 50.9	19.859 48	+ 33 14	- 4 12	3028
14173	9.1 B8	28 19.70	2.7905 372	56 49 36.0	19.863 48	- 3 14	- 17 12	3030
14174	8.6 B5	28 23.78	2.7943 369	56 31 33.2	19.864 48	+ 2 14	+ 8 12	3031
14177	9.1 A5	28 36.18	2.7921 374	56 54 33.5	19.866 47	- 3 14	+ 4 12	3032
14181	9.0 F5	29 34.31	+ 2.7768 + 402	59 4 30.0	+ 19.878 + 45	- 3 ± 14	- 6 ± 12	- 2616
14182	8.5 A0	29 38.50	2.7870 393	58 14 23.6	19.879 45	+ 16 14	- 11 12	2617
14183	9.3 B8	29 40.36	2.7970 382	57 20 22.5	19.879 46	- 5 14	- 15 12	2761
14186	8.6 F8	29 46.56	2.8155 363	55 35 30.2	19.880 45	+ 41 14	- 65 12	2987
14189	9.0 B8	30 2.74	2.8080 375	56 35 41.7	19.883 45	+ 15 14	+ 2 12	3037
14191	9.1 B8	30 17.58	+ 2.7947 + 393	58 5 25.7	+ 19.886 + 44	- 23 ± 16	- 18 ± 14	- 2763
14196	8.5 B8	31 9.47	2.8110 387	57 17 23.2	19.896 43	+ 2 14	- 14 12	2765
14197	8.4 F8	31 10.44	2.8134 384	57 3 5.2	19.896 43	+ 96 14	- 17 12	- 3039
14200	7.3 K5	31 15.39	2.8317 363	55 11 6.8	19.897 43	+ 24 12	- 25 10	2990
14201	9.0 A0	31 16.91	2.8227 375	56 11 49.0	19.897 43	+ 5 14	- 2 12	3040
14202	9.2 K5	31 38.69	+ 2.8258 + 376	56 12 2.9	+ 19.901 + 43	+ 22 ± 14	+ 5 ± 12	3042
14203	8.5 K7	31 38.36	2.7975 410	59 0 43.1	19.901 42	- 43 15	- 14 13	- 2623
14205	8.9 B8	31 47.42	2.8251 379	56 24 22.4	19.902 42	+ 4 14	- 3 12	3043
14206	8.8 B5	31 47.66	2.7914 419	59 41 38.3	19.902 41	+ 47 16	+ 2 14	2751
14207	8.8 G5	31 51.15	2.8218 384	56 48 57.3	19.903 42	- 75 13	- 22 11	3044
14208	9.2 F2	31 56.35	+ 2.7892 + 424	60 0 49.2	+ 19.904 + 41	+ 67 ± 16	- 24 ± 14	- 2752
14210*	8.3 F0	31 58.55	2.8172 391	57 24 13.2	19.905 42	- 8 14	+ 1 12	2766
14211	8.7 K7	31 58.84	2.8164 392	57 29 43.6	19.905 42	- 24 14	- 13 12	2767
14212	9.0 F5	31 59.35	2.8390 364	55 3 20.9	19.905 42	+ 12 14	0 12	- 3016
14214	9.1 B5	32 4.89	2.8004 413	59 8 22.3	19.906 41	+ 14 16	+ 16 13	2753
14215	8.4 A2	32 5.80	+ 2.8381 + 367	55 15 11.1	+ 19.906 + 42	+ 5 ± 13	- 40 ± 14	2992
14216	8.8 F5	32 8.83	2.8068 406	58 35 26.0	19.906 41	- 20 15	- 43 13	2625
14217	8.8 G0	32 9.56	2.8158 395	57 43 17.6	19.907 41	- 101 12	+ 1 11	2769
14219	7.3 K0	32 27.34	2.8161 400	57 57 44.3	19.910 41	- 25 14	- 20 12	2770
14221	8.6 K0	32 41.97	2.8455 365	54 58 51.1	19.912 41	+ 25 14	- 9 12	3020
14223	8.7 A2	32 48.69	+ 2.8383 + 376	55 55 23.7	+ 19.913 + 40	+ 4 ± 14	- 11 ± 12	2993
14224	8.8 B5	32 49.02	2.8350 381	56 18 18.2	19.913 40	+ 1 12	+ 11 10	3051
14225	9.1 A0	32 54.03	2.8380 378	56 2 27.6	19.914 40	+ 4 16	- 6 14	- 2994
14227	9.0 B5	32 58.58	2.8356 382	56 23 29.3	19.915 40	- 7 14	- 18 12	3054
14230	9.4 A5	33 12.26	2.8291 394	57 19 13.0	19.917 40	- 18 14	- 11 12	2771
14231	7.4 K0	33 18.32	+ 2.8230 + 404	58 3 30.4	+ 19.918 + 39	- 7 ± 13	- 22 ± 11	- 2772
14232	8.6 K0	33 23.04	2.8287 398	57 32 0.6	19.919 39	+ 23 12	- 11 11	2773
14234	9.4 G0	33 33.23	2.8325 395	57 17 57.9	19.921 39	+ 21 14	+ 91 12	——
14235	8.7 A5	33 33.62	2.8403 385	56 26 14.4	19.921 39	+ 13 13	- 21 14	3055
14236	8.1 G5	33 38.68	2.8240 408	58 16 39.4	19.922 39	+ 74 16	+ 30 14	2627
14239	9.0 A0	33 54.68	+ 2.8371 + 395	57 8 42.5	+ 19.924 + 38	+ 29 ± 14	0 ± 12	2775
14244	9.1 G0	34 9.32	2.8162 426	59 33 31.8	19.927 38	0 14	- 9 12	2756
14252	9.5	34 37.59	2.8147 437	60 9 56.6	19.931 37	- 9 18	- 20 15	2602
14255	9.5 A0	34 47.34	2.8491 392	56 39 41.1	19.933 37	+ 26 14	- 22 12	3057
14256	9.0 A0	34 48.53	2.8496 391	56 37 44.9	19.933 37	+ 27 14	- 6 12	3058

14210 = BDS 12473: 8.5, 10.4, 0".8.

Epoch of observation, 1915.77

23h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
14257	9.3	34 52.25	+2.8174 +437	60 8 10.8	+19.934 +36	+.015 ± 18	+.020 ± 15	2603
14262	7.4 A0	35 2.05	2.8472 398	57 8 46.0	19.935 37	- 22 14	- 19 12	2780
14263	8.5 K0	35 5.66	2.8336 419	58 42 30.7	19.936 36	+ 99 14	+ 60 12	2629
14264	8.2 A3	35 13.25	2.8512 395	56 51 42.4	19.937 37	+ 61 14	+ 43 12	3060
14266	9.2 F8	35 22.66	2.8549 392	56 34 52.2	19.939 36	+ 86 14	+ 15 12	3061
14268	9.4 G0	35 28.71	+2.8590 +388	56 11 49.5	+19.940 +36	- 26 ± 14	- 35 ± 12	3062
14270	8.8 K7	35 35.87	2.8601 388	56 11 17.9	19.941 36	+ 9 14	- 16 12	3063
14271	8.6 M0	35 44.26	2.8611 389	56 12 35.5	19.942 36	+ 20 14	- 19 12	3065
14273	6.5 G5	35 54.05	2.8597 394	56 34 1.0	19.943 35	+ 33 14	0 12	3067
14274	8.9 G5	35 58.33	2.8376 428	59 11 29.3	19.944 35	- 46 15	0 13	2760
14275	8.8 K0	36 1.76	+2.8674 +384	55 43 14.4	+19.945 +35	+ 31 ± 14	- 18 ± 12	3000
14282	8.7 K0	36 21.81	2.8652 393	56 22 40.5	19.948 34	+ 25 14	+ 10 12	3069
14284	8.5 A0	36 30.16	2.8648 396	56 35 18.6	19.949 34	+ 7 12	+ 20 10	3070
14286	9.0 A7	36 32.29	2.8543 413	57 54 44.5	19.949 34			2783
14288	7.5 G5	36 38.91	2.8726 386	55 44 21.4	19.950 34	+ 22 12	+ 2 10	3003
14289	9.0 B9	36 45.03	+2.8582 +411	57 40 33.5	+19.951 +34	+ 9 ± 14	- 19 ± 12	—
14290	9.2 A3	37 1.59	2.8761 387	55 41 50.2	19.954 34	+ 58 16	+ 17 14	—
14292	9.0 B2	37 10.92	2.8489 434	59 14 59.8	19.955 33	- 26 16	- 25 14	2761
14294	8.9 B	37 12.98	2.8575 421	58 17 49.5	19.955 33	- 62 15	- 5 13	2637
14295	8.7 A3	37 15.95	2.8659 408	57 18 53.2	19.956 33	+ 29 14	+ 6 12	2785
14297	7.0 G0	37 21.49	+2.8660 +409	57 22 32.1	+19.956 +33	+400 ± 14	+490 ± 12	2787
14300	8.4 K0	37 26.14	2.8798 388	55 40 22.1	19.957 33	+ 28 12	- 16 10	3004
14302	8.9 A0	37 32.92	2.8648 415	57 46 21.9	19.958 32	+ 13 13	- 24 11	2790
14303	7.8 M0	37 34.27	2.8526 436	59 15 30.3	19.958 32	- 9 16	- 22 14	2762
14309	9.0 B8	37 47.48	2.8561 434	59 6 1.2	19.960 32	+ 23 15	- 6 13	- 2638
14312	9.2 A2	37 54.66	+2.8837 +389	55 41 6.4	+19.961 +32	+ 28 ± 14	+ 18 ± 12	—
14313	8.0 B9	37 57.55	2.8664 420	58 3 10.2	19.962 32	+ 17 14	0 12	- 2792
14314	8.5 M0	37 59.30	2.8845 390	55 40 11.6	19.962 32	+ 27 12	- 7 10	3006
14315	9.2 F0	38 3.03	2.8831 393	55 56 34.6	19.962 32	- 9 14	+ 7 12	3007
14317	8.8 F2	38 7.03	2.8607 433	58 55 16.6	19.963 32	+ 52 16	- 28 13	2641
14318	9.5 A0	38 9.23	+2.8858 +390	55 40 42.4	+19.963 +32	+ 40 ± 15	- 39 ± 13	—
14319	8.6 F8	38 10.10	2.8757 408	57 5 28.3	19.963 32	- 8 14	+ 14 12	- 3077
14320	8.9 A0	38 11.49	2.8672 423	58 13 26.4	19.964 31	+ 2 15	- 21 13	2640
14321	7.8 A0	38 20.27	2.8697 422	58 4 21.1	19.965 31	+ 7 14	- 1 12	- 2793
14323	7.9 K0	38 21.71	2.8777 409	57 3 54.9	19.965 31	+ 7 13	+ 6 11	- 3078
14324	8.3 K5	38 34.79	+2.8736 +420	57 51 48.2	+19.967 +31	+ 6 ± 14	+ 3 ± 12	2794
14326*	6.2 G5	38 43.39	2.8945 385	55 6 20.9	19.968 31	+ 34 14	- 26 12	3010
14329	8.3 Ma	38 44.46	2.8903 393	55 45 47.4	19.968 30	- 5 14	+ 5 12	3011
14331	8.5 G0	39 1.54	2.8799 418	57 34 24.1	19.970 30	- 53 14	- 89 12	2795
14334	8.7 K0	39 11.79	2.8844 413	57 10 24.9	19.972 30	- 14 14	+ 1 12	2796
14338	8.4 B9	39 20.38	+2.8891 +407	56 40 42.3	+19.973 +29	+ 48 ± 14	+ 20 ± 12	3080
14341	9.3 B9	39 34.21	2.8896 410	56 54 20.2	19.975 29	- 14 14	+ 15 12	3081
14342	9.0 A7	39 44.43	2.8716 448	59 31 22.0	19.976 28	+ 32 16	- 11 14	2766
14344	9.1 F5	39 49.35	2.8847 425	57 55 6.5	19.977 28	- 16 14	+ 19 12	2797
14345	9.1 F5	39 51.87	2.8988 398	55 55 18.2	19.977 28	+ 92 14	- 27 12	3016
14347	9.1 K2	39 58.03	+2.8866 +424	57 49 57.9	+19.978 +28	+ 10 ± 14	- 44 ± 12	2798
14356	8.7 K7	40 18.14	2.8830 439	58 45 45.1	19.980 27	- 26 15	- 53 13	2644
14357	9.1 A	40 18.38	2.8752 454	59 47 33.3	19.980 27	- 11 17	- 49 15	—
14358	9.0 A7	40 21.03	2.8849 436	58 34 28.4	19.981 27	+ 11 13	- 7 10	2645
14359	8.6 A0	40 26.07	2.8876 433	58 19 3.9	19.981 27	- 22 16	0 14	2646

14326 = PGC 6097.

Epochs: Stars 14257 to 14347, 1915.77; stars 14356 to 14359, 1915.73

23h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		h m s	s	° ' "	"	"	"	
14362	9.2 A0	40 39.02	+2.8873 +438	58 37 45.8	+19.983 +27	+.003 ± 15	-.015 ± 13	——
14366	8.1 F8	40 47.73	2.8966 423	57 30 5.5	19.984 27	- 20 14	+ 34 12	2801
14369	8.3 K0	40 53.62	2.8966 425	57 37 39.1	19.985 26	+ 47 14	- 1 12	2802
14370	8.9 A0	40 55.06	2.8965 426	57 41 3.6	19.985 26	+ 1 14	- 22 12	2803
14371*	6.0 K0	40 55.87	2.9027 413	56 45 26.0	19.985 27	- 13 14	+ 35 12	3085
14372*	5.0 K0	40 57.64	+2.8949 +430	57 57 22.4	+19.985 +26	+ 95 ± 14	+ 69 ± 12	2804
14374	9.0 A2	41 3.77	2.9008 420	57 13 43.7	19.986 27	+ 17 14	- 3 12	2805
14375	9.0 K5	41 6.01	2.9078 406	56 11 15.9	19.986 27	+ 55 16	- 10 13	3089
14376	8.5 A	41 9.12	2.8849 455	59 37 13.0	19.987 26	- 35 16	- 42 14	2773
14377	8.3 G0	41 10.29	2.8919 441	58 40 57.6	19.987 26	+ 22 15	0 13	2648
14378	9.1 A0	41 14.22	+2.9107 +402	55 54 15.4	+19.987 +26	+ 2 ± 12	- 20 ± 10	3018
14382	8.3 K5	41 25.64	2.8992 432	57 58 23.7	19.988 26	- 12 14	- 21 12	2806
14383	9.2 A2	41 26.90	2.9109 407	56 10 25.7	19.989 26	+ 28 16	+ 7 13	3092
14384	8.1 K0	41 34.60	2.9003 432	58 0 22.7	19.989 25	+ 50 14	+ 6 12	- 2807
14385	9.4 G	41 34.89	2.9045 424	57 22 22.9	19.989 26	+ 46 13	+ 4 11	2808
14388*	9.3 K0	41 57.09	+2.8965 +450	59 5 33.5	+19.992 +25	+ 55 ± 16	- 10 ± 13	- 2650
14392	9.1 B9	42 15.96	2.9232 397	55 15 36.5	19.994 24	+ 18 14	+ 2 12	3020
14393	8.9 M0	42 22.57	2.9234 399	55 23 32.9	19.995 24	- 2 13	+ 8 10	3021
14394	9.3 B3	42 23.06	2.9252 395	55 4 24.8	19.995 24	+ 3 16	- 43 14	- 3049
14398	8.9 B3	42 27.09	2.9148 421	57 0 8.3	19.996 24	- 19 14	+ 22 12	- 3093
14404	9.3 F8	42 40.62	+2.9272 +397	55 8 48.4	+19.997 +24	+ 63 ± 16	- 23 ± 14	3022
14407	8.8 B	42 46.42	2.9205 416	56 30 53.5	19.998 23	+ 4 14	- 4 12	3094
14408	6.4 A0	42 46.99	2.9033 456	59 17 1.6	19.998 23	+ 27 16	- 18 13	2777
14412*	6.4 F2	43 4.09	2.9126 442	58 16 6.9	19.999 23	+ 38 14	+ 3 12	2653
14413	9.0 F8	43 6.75	2.9068 457	59 14 57.8	20.000 23	+ 45 16	- 56 13	2778
14414*	9.1 G0	43 7.04	+2.9152 +437	57 56 8.4	+20.000 +23	- 21 ± 14	+ 10 ± 12	2812
14416	9.0 F8	43 15.74	2.9172 436	57 49 6.6	20.001 22	+ 60 14	- 3 12	2813
14418	9.0 A0	43 19.63	2.9294 407	55 46 4.7	20.001 22	+ 15 14	+ 1 12	3026
14419	9.0 K0	43 21.02	2.9318 402	55 21 22.9	20.001 22	+ 4 13	+ 2 11	3027
14421	8.5 G0	43 25.87	2.9141 448	58 35 27.5	20.002 22	- 12 14	+ 13 12	2654
14422	8.3 Ma	43 29.03	+2.9297 +410	55 57 44.0	+20.002 +22	+ 5 ± 14	- 24 ± 12	3028
14426	8.7 K0	43 56.67	2.9273 429	57 8 56.2	20.005 21	+ 24 14	+ 8 12	2816
14427	9.0 A3	44 4.43	2.9211 448	58 26 25.4	20.006 21	- 25 12	+ 10 11	2656
14428	9.1 A0	44 5.21	2.9287 428	57 6 53.2	20.006 21	+ 32 14	+ 3 12	2817
14429	9.0 K0	44 8.00	2.9365 409	55 43 44.1	20.006 21	+ 16 14	+ 4 12	3030
14430	8.0 B9	44 14.84	+2.9337 +420	56 27 57.9	+20.007 +21	- 24 ± 14	+ 24 ± 12	3095
14433	8.0 A0	44 19.95	2.9207 456	58 54 54.8	20.007 20	+ 17 15	- 34 13	2657
14440	8.9 A2	44 40.29	2.9267 450	58 26 44.8	20.009 20	- 11 15	- 13 13	2658
14441	8.1 K2	44 41.16	2.9238 459	58 58 4.6	20.009 20	+ 41 15	- 57 13	2659
14446	9.1 K2	45 4.87	2.9469 406	55 14 36.7	20.012 20	- 26 14	+ 5 12	3032
14448	9.0 F8	45 8.83	+2.9444 +415	55 53 36.4	+20.012 +20	- 12 ± 13	+ 8 ± 10	3034
14449	8.4 G0	45 9.51	2.9315 452	58 25 23.7	20.012 19	+ 6 14	- 24 12	2660
14450	8.6 F5	45 11.90	2.9388 432	57 7 9.1	20.012 19	+ 7 14	0 12	2819
14451	9.1 F8	45 18.03	2.9322 454	58 31 41.6	20.013 19	- 11 14	- 4 12	2661
14452	7.9 F0	45 27.16	2.9441 424	56 30 40.7	20.014 19	- 1 14	+ 62 12	3101
14453	9.1 F2	45 31.70	+2.9478 +415	55 50 53.3	+20.014 +19	+ 69 ± 14	+ 13 ± 12	3035
14454	8.5 Ma	45 37.13	2.9515 407	55 13 45.9	20.015 19	0 14	- 35 12	3036
14455	9.3 K0	45 43.77	2.9336 463	59 1 7.7	20.015 18	+ 91 14	- 19 12	- 2662
14457	9.2 G0	45 57.69	2.9359 464	59 0 45.7	20.017 18	+ 55 14	- 20 12	- 2663
14458	9.0 F2	46 2.02	2.9337 473	59 33 16.9	20.017 18	- 49 16	- 36 13	2783

14371 = PGC 6105. 14372 = PGC 6106. 14388: faint companion, distant 9", not in BDS.
14412 = PGC 6112. 14414 = BDS 12578: 9.5, 10.3, 0".6. Epoch, 1915.73

23h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
14469	7.9 G5	46 49.95	+ 2.9458 + 462	58 43 34.1	+ 20.021 + 16	+.053 ± 14	+.017 ± 12	2667
14470	8.9 K5	46 50.34	2.9502 448	57 50 1.0	20.021 16	+ 46 14	+ 6 12	2825
14471*	6.6 K5	46 53.57	2.9398 484	60 0 32.1	20.021 16	+ 34 15	- 31 13	- 2784
14472	9.0 A0	47 4.61	2.9607 421	55 57 8.4	20.022 16	+ 7 14	- 4 12	3038
14473	9.2 B9	47 11.13	2.9626 418	55 43 14.0	20.023 16	+ 31 14	+ 8 12	3039
14474	9.4 G	47 12.79	+ 2.9432 + 485	59 59 5.1	+ 20.023 + 16	- 8 ± 17	- 43 ± 15	2785
14477	8.8 G0	47 22.43	2.9620 427	56 16 44.9	20.024 15	- 57 14	- 47 12	3105
14478	8.3 B2	47 22.99	2.9627 425	56 7 27.9	20.024 15	- 9 14	+ 9 12	3106
14480	9.3 K2	47 35.74	2.9620 434	56 43 12.1	20.025 15	+ 31 16	+ 6 14	3108
14482	7.2 B0	47 37.90	2.9466 490	60 9 28.0	20.025 15	- 42 16	- 15 14	2636
14483	9.3	47 44.06	+ 2.9500 + 482	59 40 42.4	+ 20.026 + 15	- 9 ± 14	- 30 ± 12	2786
14484	7.0 K2	47 47.81	2.9675 421	55 47 38.3	20.026 14	+ 59 14	- 19 12	3041
14485	8.2 B9	47 53.18	2.9655 432	56 30 15.9	20.026 14	- 12 14	+ 9 12	3110
14489	8.4 K2	48 1.97	2.9714 415	55 17 49.6	20.027 14	+ 27 13	- 49 11	3042
14490*	4.8 F8p	48 8.89	2.9666 437	56 48 13.9	20.027 14			3111
14494	9.1	48 35.75	+ 2.9565 + 493	60 7 59.4	+ 20.029 + 13	- 42 ± 16	- 53 ± 14	2638
14495	9.0 A0	48 39.52	2.9583 489	59 51 38.6	20.030 13	- 19 16	- 33 14	2788
14496	8.2 K2	48 40.27	2.9734 431	56 14 28.6	20.030 13	- 10 14	- 26 12	3112
14497	8.3 K5	48 42.07	2.9764 420	55 28 48.2	20.030 13	+ 33 14	+ 13 12	3043
14498	8.8 G0	48 47.00	2.9656 466	58 28 24.5	20.030 12	+ 33 15	+ 19 13	2670
14499	8.9 F5	48 50.77	+ 2.9744 + 433	56 23 23.4	+ 20.030 + 12	- 47 ± 14	+ 19 ± 12	3113
14500	8.9 G0	48 51.63	2.9703 450	57 29 51.0	20.031 12	- 51 13	- 19 11	2828
14501	7.2 K0	48 59.78	2.9719 449	57 23 29.9	20.031 12	+ 59 12	+ 66 11	2829
14502	9.1 A7	49 3.06	2.9612 495	60 6 27.0	20.031 12	- 45 15	- 53 13	- 2789
14503	8.9 A0	49 6.67	2.9788 425	55 47 42.1	20.032 12	- 42 14	- 18 12	3044
14504	8.7 B9	49 10.73	+ 2.9796 + 425	55 44 41.3	+ 20.032 + 12	0 ± 14	- 13 ± 12	3045
14505	8.6 A3	49 11.50	2.9738 450	57 23 0.6	20.032 12	- 8 14	+ 14 12	2830
14506	7.2 K0	49 17.57	2.9695 472	58 43 11.2	20.032 12	+ 2 15	+ 15 13	2672
14507*	6.7 B0	49 18.36	2.9772 440	56 42 59.5	20.032 12	- 7 12	+ 7 11	3115
14513	7.9 G0	49 52.82	2.9738 479	59 3 54.3	20.035 10	+ 200 14	+ 254 11	- 2674
14514	8.8 F0	49 55.88	+ 2.9756 + 474	58 43 47.9	+ 20.035 + 10	- 22 ± 14	- 5 ± 12	2675
14515	8.5 Ma	49 56.25	2.9851 432	56 2 10.4	20.035 10	+ 19 14	- 24 12	- 3047
14516	9.1 K7	49 57.30	2.9870 424	55 29 7.4	20.035 10	+ 11 14	+ 3 12	3048
14517	8.7 B9	49 59.95	2.9728 489	59 35 48.6	20.035 10	+ 27 15	- 13 13	2790
14520	8.2 F8	50 5.64	2.9886 422	55 20 7.7	20.035 10	+ 192 14	+ 59 12	3049
14521	7.8 B	50 8.15	+ 2.9892 + 421	55 17 40.4	+ 20.036 + 10	0 ± 14	- 16 ± 12	3051
14525	9.1 A5	50 36.73	2.9787 493	59 39 36.8	20.037 9	+ 10 15	+ 3 13	2791
14526	7.2 K0	50 38.22	2.9938 421	55 8 40.6	20.038 9	+ 19 14	- 4 12	3055
14528*	6.1 F5	50 50.97	2.9960 419	55 0 36.7	20.038 9	- 17 14	- 2 12	- 3076
14531*	9.1 A3	50 54.57	2.9806 499	59 56 52.0	20.038 8	- 8 16	- 56 13	2792
14532	9.1 A	50 59.26	+ 2.9836 + 489	59 20 51.4	+ 20.039 + 8	- 62 ± 16	- 22 ± 14	2793
14534	9.0 G0	51 13.10	2.9862 488	59 15 21.7	20.040 8	- 33 16	- 16 13	2794
14535	8.9 A0	51 14.13	2.9930 453	57 10 33.0	20.040 8	- 2 14	- 1 12	2831
14538	6.8 B8	51 16.27	2.9864 490	59 19 39.9	20.040 8	+ 22 13	- 8 11	2795
14540	9.0 F2	51 18.29	2.9913 466	57 56 12.1	20.040 8	- 40 14	- 10 12	2832
14541	9.1 B	51 19.14	+ 2.9995 + 423	55 9 45.7	+ 20.040 + 8	- 6 ± 14	- 35 ± 12	3057
14542	9.2 K	51 20.72	2.9875 488	59 13 35.2	20.040 8	- 22 16	- 22 13	2796
14544	8.4 A2	51 26.12	3.0003 424	55 12 6.8	20.040 8	+ 40 16	- 21 14	3058
14545	7.3 A2	51 29.30	2.9974 442	56 26 38.8	20.040 8	- 20 14	+ 7 12	3119
14546	8.0 B0	51 30.24	2.9897 485	59 1 27.0	20.040 8	+ 9 13	- 20 11	- 2676

14471 = BDS 12615: 6.6, 10.8, 10", separated on plates. 14490 = PGC 6135.
14507 = PGC 6142. 14528 = PGC 6148. 14531: faint companion, distant 7", not in BDS.
Epoch of observation, 1915.73

23^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ' "	"	"	"	
14548*	8.8 B9	51 35.03	+ 2.9975 + 447	56 41 34.6	+ 20.041 + 7	+.008 ± 14	+.022 ± 12	3120
14549	8.8 B0	51 37.25	2.9987 442	56 23 20.8	20.041 7	+ 14 14	+ 26 12	3122
14552	9.2 A5	51 52.87	2.9970 466	57 49 34.3	20.042 7	- 23 14	- 21 12	2833
14555	9.4 A5	51 57.43	3.0017 443	56 21 19.3	20.042 7	+ 15 16	+ 8 14	3123
14556	8.1 K2	52 12.36	2.9935 505	59 59 28.4	20.043 7	+ 11 15	- 16 13	2797
14557	9.1 F2	52 21.40	+ 3.0023 + 462	57 29 45.6	+ 20.043 + 6	- 2 ± 14	- 17 ± 12	2838
14559	9.1 F5	52 31.20	2.9965 508	60 2 44.3	20.044 6	+ 4 15	- 17 13	- 2798
14560	9.2 F5	52 32.28	2.9982 499	59 34 5.4	20.044 6	- 43 16	- 39 13	2799
14561*	5.7 B2	52 40.79	3.0111 425	55 3 33.4	20.044 6	+ 14 14	+ 25 12	- 3082
14562	8.5 A	52 45.96	3.0114 429	55 15 36.7	20.044 5	+ 3 14	- 15 12	3064
14563	9.2 F8	52 47.87	+ 3.0093 + 444	56 16 40.5	+ 20.044 + 5	+ 20 ± 14	+ 18 ± 12	3126
14566	9.1 B	52 55.81	3.0027 496	59 19 35.1	20.045 5	- 27 16	- 51 14	2801
14568	9.0 A0	53 0.92	3.0083 464	57 28 39.0	20.045 5	0 14	- 20 12	2839
14570	7.4 A0	53 7.82	3.0106 456	56 58 32.4	20.045 5	+ 28 13	- 27 11	3127
14572	9.1 A2	53 12.42	3.0154 427	55 5 51.1	20.045 5	+ 11 14	- 7 12	- 3085
14574	9.1 A0	53 13.10	+ 3.0135 + 442	56 3 23.4	+ 20.046 + 5	- 16 ± 13	- 2 ± 10	- 3066
14575	9.1 A7	53 16.07	3.0063 496	59 14 46.4	20.046 4	- 38 15	- 18 13	2802
14576	9.3	53 16.53	3.0039 512	60 7 16.0	20.046 4	+ 21 16	- 60 14	2651
14579	8.3 K2	53 23.59	3.0066 503	59 36 22.4	20.046 4	- 33 15	0 13	2803
14581	8.9 A5	53 26.31	3.0097 483	58 30 46.1	20.046 4	+ 7 14	- 4 12	2683
14582	9.0 A0	53 27.71	+ 3.0078 + 499	59 22 33.6	+ 20.046 + 4	- 32 ± 15	+ 4 ± 13	2804
14585	9.2 A0	53 50.31	3.0121 495	59 7 3.2	20.047 3	+ 16 15	+ 3 13	2805
14586	8.4 A0	53 50.56	3.0165 462	57 10 34.9	20.047 3	+ 54 12	- 3 10	2841
14587	8.9 Ma	53 52.52	3.0212 428	55 0 12.7	20.047 3	+ 19 14	- 20 12	- 3091
14588	8.5 Mb	53 57.76	3.0121 506	59 39 15.7	20.047 3	+ 1 15	- 4 13	2806
14590	8.4 A2	53 59.15	+ 3.0199 + 446	56 9 25.3	+ 20.047 + 3	+ 21 ± 14	+ 38 ± 12	3129
14591	9.4	54 7.39	3.0155 492	58 50 7.6	20.048 3	+ 10 16	- 2 14	——
14592	9.4 B8	54 11.29	3.0142 508	59 42 43.4	20.048 3	+ 20 16	+ 12 14	2808
14593	6.5 K0	54 10.97	3.0161 492	58 51 50.7	20.048 3	- 72 14	- 44 12	2685
14594	8.9 K7	54 20.44	3.0250 430	55 1 35.2	20.048 2	+ 1 14	- 17 12	- 3093
14596	9.1 K5	54 41.98	+ 3.0193 + 509	59 41 39.7	+ 20.049 + 2	- 17 ± 17	- 4 ± 14	2809
14597	6.9 Na	54 54.08	3.0214 510	59 39 33.1	20.049 1	- 13 14	- 17 12	2810
14598	9.4	54 54.80	3.0205 519	60 7 31.5	20.049 1	+ 42 18	- 46 15	2655
14599	7.1 B5	54 59.88	3.0214 519	60 8 34.9	20.049 1	- 17 16	- 27 14	2656
14600	8.4 A	55 1.80	3.0227 510	59 39 34.2	20.050 + 1	- 13 14	+ 12 12	2812
14604	8 7 B	55 16.55	+ 3.0250 + 513	59 45 14.1	+ 20.050 0	- 38 ± 15	+ 21 ± 13	2813
14611	8.4 G5	55 40.65	3.0297 505	59 14 35.1	20.051 0	+ 157 13	+ 29 11	2814
14612	8.9 K2	55 49.37	3.0313 506	59 16 8.9	20.051 - 1	- 17 13	- 4 13	2815
14613	8.3 K0	55 52.73	3.0364 450	56 4 6.8	20.051 - 1	+ 93 14	0 12	- 3071
14614	7.0 Ma	55 54.85	3.0310 520	60 0 26.0	20.051 - 1	- 62 15	- 40 13	- 2816
14615	9.0 K5	55 55.78	+ 3.0315 + 517	59 48 43.6	+ 20.051 - 1	- 70 ± 16	- 124 ± 13	2817
14616	8.9 G0	56 13.42	3.0354 505	59 7 52.2	20.052 1	+ 6 15	+ 29 13	2818
14617	9.0 B8	56 19.51	3.0391 469	57 6 44.6	20.052 2	+ 7 14	- 6 12	- 3134
14618	9.4 A	56 20.22	3.0363 508	59 15 53.1	20.052 2	+ 12 15	- 29 13	2819
14619	8.9 K	56 21.50	3.0365 508	59 15 49.8	20.052 2	- 18 15	- 21 13	
14620	9.0 K0	56 28.46	+ 3.0376 + 509	59 17 27.0	+ 20.052 - 2	- 21 ± 15	- 4 ± 13	2820
14621	9.0 F8	56 37.38	3.0398 499	58 44 39.6	20.052 2	0 14	+ 28 12	2690
14622	9.1 B9	56 52.09	3.0415 510	59 15 48.8	20.052 3	+ 4 15	+ 12 13	2821
14624	8.1 A0	56 54.60	3.0433 488	58 5 36.4	20.052 3	+ 14 14	+ 1 12	- 2848
14625	8.1 A0	56 56.69	3.0439 483	57 46 44.3	20.052 3	+ 19 14	- 8 12	2849

14548 = BDS 12655: 9.6, 9.6, 1".

14561 = PGC 6155 = BDS 12666: 5.7, 8 5, 3".

Epoch of observation, 1915.73

23^h

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Proper Motions in RA	Proper Motions in Decl	BD No
		m s	s	° ′ ″	″	″	″	
14626	9.1 G5	56 57.37	+ 3.0444 + 477	57 28 17.3	+ 20.052 − 3	+.033 ± 14	+.007 ± 12	2847
14627	7.8 K5	56 57.81	3.0434 494	58 22 57.2	20.052 3	+ 24 12	0 10	2691
14631	9.0 B9	57 7.13	3.0464 468	56 54 26.8	20.053 3	+ 8 14	+ 13 12	3137
14632	9.5	57 14.44	3.0451 512	59 17 35.5	20.053 3	+ 25 14	+ 6 12	2822
14633	8.1 A2	57 27.46	3.0497 465	56 40 56.0	20.053 4	+ 18 14	+ 17 12	3138
14634	9.2 B5	57 28.40	+ 3.0467 + 526	59 58 48.3	+ 20.053 − 4	+ 9 ± 15	− 7 ± 13	2823
14638	9.0 A2	57 42.41	3.0529 444	55 20 22.4	20.053 4	− 7 14	− 20 12	3078
14639	8.0 K0	57 43.49	3.0524 459	56 13 30.1	20.053 4	− 18 14	− 21 12	3139
14642	8.6 B0	57 50.01	3.0508 517	59 27 32.2	20.053 5	+ 27 15	0 13	2824
14644	9.1 K0	58 4.05	3.0542 491	58 1 11.4	20.054 5	− 26 14	− 13 12	− 2852
14645	9.1 K0	58 9.17	+ 3.0551 + 488	57 50 49.8	+ 20.054 − 5	− 30 ± 14	+ 15 ± 12	2853
14646	9.2 A	58 13.37	3.0572 446	55 23 8.0	20.054 5	+ 16 12	− 5 10	3081
14648	9.3	58 16.58	3.0577 447	55 23 21.0	20.054 5	− 13 14	− 19 12	——
14650*	7.0 B3	58 28.78	3.0581 489	57 50 10.2	20.054 6	+ 20 14	+ 10 12	2855
14652	8.6 K5	58 30.33	3.0596 447	55 21 39.2	20.054 6	+ 16 14	− 19 12	3082
14654	8.5 G5	58 32.52	+ 3.0592 + 470	56 46 22.0	+ 20.054 − 6	+ 22 ± 14	− 8 ± 12	3141
14655	9.0 A5	58 37.07	3.0597 478	57 12 53.9	20.054 6	− 18 14	− 21 12	2856
14656	8.2 F5	58 39.37	3.0601 476	57 4 21.3	20.054 6	+ 45 14	+ 79 12	− 3142
14658	8.7 A0	58 46.61	3.0611 484	57 30 7.8	20.054 6	− 45 12	− 16 10	2858
14661	8.9 A2	59 2.26	3.0637 469	56 35 33.6	20.054 7	− 18 14	+ 15 12	3143
14665	7.2 K0	59 13.03	+ 3.0657 + 444	55 0 49.9	+ 20.054 − 7	− 1 ± 16	− 6 ± 12	− 3109
14666	7.9 G0	59 14.05	3.0651 488	57 37 15.8	20.054 7	+ 78 14	− 173 12	2860
14667	9.3 A5	59 14.25	3.0652 491	57 47 57.7	20.054 7			2862
14668	8.4 F5	59 15.97	3.0656 481	57 15 1.2	20.054 7	+ 20 13	− 32 11	2863
14670	9.0 K0	59 19.60	3.0661 486	57 30 4.8	20.054 8	− 30 14	− 10 12	2861
14672	8.9 G0	59 23.31	+ 3.0667 + 486	57 28 47.2	+ 20.054 − 8	− 77 ± 14	− 39 ± 12	
14679	8.4 F0	59 51.79	3.0708 531	59 45 40.2	20.054 9	+ 47 14	− 10 12	2828

14650 = PGC 6186 = BDS 12735: 7.0, 9.3, 4″.

Epoch, 1915.73

A P P E N D I X I

Positions of 396 Faint Stars

not in the

Astronomische Gesellschaft Catalogue,

measured on the plates

and reduced to 1875.0

without applying proper motions.

No	BD Magn	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Epoch	BD No
		h m s	s		° ' "	"			
1	9.5	0 43 14.84	+ 3.4710	+ 629	57 49 58.1	+ 19.698	- 103	1915.77	157
2		43 37.10	3.4664	616	57 18 48.6	19.692	104	1915.77	—
3		44 12.98	3.4784	629	57 44 43.7	19.682	106	1915.77	—
4	9.3	47 40.94	3.5109	640	57 48 38.7	19.622	114	1915.77	167
5		48 37.25	3.5202	641	57 45 56.4	19.602	116	1915.77	—
6		0 49 34.84	+ 3.5278	+ 645	57 47 25.5	+ 19.587	- 119	1915.77	—
7	9.5	2 20 13.72	4.3659	833	59 18 23.0	16.416	373	1916.30	495
8	9.4	20 37.13	4.3683	833	59 17 30.9	16.396	374	1916.30	497
9		21 1.95	4.3650	827	59 9 44.3	16.376	374	1916.30	—
10	9.5	50 46.12	4.4572	716	56 47 36.1	14.740	447	1915.85	757
11	9.2	2 51 20.80	+ 4.4453	+ 705	56 29 41.4	+ 14.706	- 447	1915.85	759
12		3 17 54.60	4.6747	702	57 36 59.5	13.030	524	1916.34	—
13	9.4	18 19.98	4.5813	646	55 59 59.8	13.002	514	1916.34	786
14	9.5	18 39.94	4.5808	644	55 57 28.6	12.980	515	1916.34	789
15	9.3	21 59.64	4.6400	659	56 39 18.0	12.757	528	1916.30	816
16		3 32 17.26	+ 4.8248	+ 704	58 37 27.5	+ 12.049	- 568	1916.30	—
17	9.5	42 36.86	4.6581	565	55 9 34.4	11.315	566	1916.30	831
18	9.5	45 31.60	4.6993	570	55 37 4.4	11.103	575	1916.30	834
19	9.2	48 9.11	4.7074	560	55 32 58.1	10.911	581	1916.30	837
20	9.5	48 56.05	5.0099	700	59 52 38.6	10.854	619	1916.30	741
21	9.3	3 49 7.15	+ 4.9906	+ 689	59 36 53.8	+ 10.840	- 617	1916.30	742
22		54 3.71	4.7150	535	55 14 16.8	10.474	591	1916.30	—
23	9.5	56 17.89	4.8554	585	57 15 4.8	10.306	612	1916.30	774
24		57 7.40	4.7615	540	55 46 11.1	10.244	601	1916.30	—
25		57 6.11	4.8829	592	57 35 41.1	10.246	616	1916.30	—
26	9.3	4 0 32.49	+ 4.9810	+ 616	58 43 29.6	+ 9.986	- 634	1916.30	712
27	9.5	3 30.53	4.8947	562	57 20 46.2	9.760	628	1916.30	783
28	9.5	12 13.92	4.8819	511	56 37 53.5	9.086	638	1916.30	910
29		21 21.53	5.0998	542	59 4 2.3	8.367	679	1915.81	—
30		24 43.51	5.0875	518	58 44 44.3	8.099	682	1915.81	—
31		4 25 32.82	+ 5.0814	+ 511	58 37 42.7	+ 8.033	- 682	1915.81	—
32	9.5	36 48.21	5.0452	436	57 38 49.9	7.121	691	1915.81	839
33	9.5	37 9.88	5.0498	436	57 41 30.3	7.092	692	1915.81	840
34	9.5	41 14.30	5.0542	415	57 34 44.6	6.757	697	1915.81	842
35	9.4	42 21.39	5.1957	449	59 17 50.1	6.665	717	1915.81	838
36		4 44 35.59	+ 5.2390	+ 448	59 43 6.5	+ 6.480	- 726	1915.81	—
37		44 53.40	5.1828	430	59 2 48.9	6.455	718	1915.81	—
38		46 43.43	5.0709	389	57 35 2.6	6.303	705	1915.81	—
39	9.2	48 41.57	5.0349	370	57 2 14.3	6.140	702	1915.81	848
40		55 0.95	5.2146	379	59 4 20.3	5.611	733	1915.81	—
41	9.3	5 0 33.86	+ 5.0508	+ 311	56 50 59.4	+ 5.143	- 714	1915.81	1011
42	9.5	1 28.31	5.2470	348	59 15 16.7	5.066	742	1915.81	853
43	9.5	1 56.58	5.2793	352	59 36 41.6	5.026	747	1915.81	854
44	9.5	2 49.66	5.3069	354	59 53 45.7	4.951	752	1915.81	856
45	9.3	5 14.49	5.1590	308	58 5 55.2	4.746	733	1913.81	825
46	9.5	5 6 10.73	+ 5.0129	+ 275	56 10 37.9	+ 4.666	- 713	1915.81	1018
47	9.5	6 11.51	5.0144	275	56 11 51.7	4.665	713	1915.81	1019
48	9.5	6 17.41	5.0949	290	57 15 46.0	4.657	725	1915.81	871
49		8 43.54	5.1861	294	58 20 15.0	4.449	739	1915.81	—
50	9.5	12 25.82	5.0327	247	56 17 0.9	4.133	720	1915.81	1024

No	BD Magn	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Epoch	BD No
		h m s	s		° ' "	"			
51		5 14 31.41	+ 4.9964	+ 231	55 44 16.0	+ 3.953	- 716	1915.81	—
52		16 36.72	5.1971	251	58 17 7.4	3.774	746	1915.81	—
53	9.5	17 12.92	5.1727	244	57 58 32.6	3.722	743	1915.81	884
54	9.4	19 40.66	5.2776	245	59 10 5.7	3.510	759	1915.81	883
55		19 58.14	5.2674	242	59 2 44.2	3.485	758	1915.81	—
56	9.4	5 24 18.60	+ 4.9790	+ 180	55 17 24.0	+ 3.110	- 719	1915.81	998
57		25 54.48	5.0133	177	55 44 16.9	2.972	724	1915.81	—
58		30 28.24	5.1945	173	58 0 16.7	2.577	752	1915.81	—
59		30 56.48	5.1256	163	57 8 31.1	2.536	743	1915.81	—
60	9.5	31 28.86	5.1364	161	57 16 17.3	2.489	744	1915.81	906
61		5 32 34.18	+ 5.2142	+ 163	58 12 48.0	+ 2.395	- 756	1915.81	—
62	9.4	33 42.87	5.1376	150	57 15 19.5	2.295	745	1915.81	908
63		50 20.79	5.1144	60	56 48 42.8	0.845	746	1915.94	—
64	9.5	51 1.17	5.1178	57	56 51 6.8	0.786	746	1915.94	1084
65		51 48.64	5.0643	52	56 8 57.4	0.717	738	1915.94	—
66	9.3	6 1 16.51	+ 5.2854	+ 2	58 51 52.2	- 0.112	- 771	1916.46	901
67	9.5	1 56.93	5.2553	- 1	58 30 58.8	0.170	766	1916.46	904
68	9.2	2 23.31	5.0326	1	55 42 29.2	0.209	734	1916.46	1060
69		2 40.62	4.9967	2	55 12 47.4	0.234	728	1916.46	—
70		2 52.30	5.1856	6	57 41 2.9	0.251	756	1916.46	—
71	9.5	6 3 23.55	+ 5.2587	- 10	58 33 27.6	- 0.297	- 767	1916.46	905
72	9.5	3 46.03	5.0961	9	56 33 16.0	0.330	743	1916.46	1098
73	9.5	19 38.25	5.0833	90	56 28 53.2	1.716	738	1916.46	1127
74	9.2	36 51.83	5.2439	200	58 42 46.1	3.212	754	1916.86	966
75	9.5	37 34.00	5.1893	197	58 4 31.3	3.272	745	1916.86	968
76	9.4	6 50 44.16	+ 5.3174	- 297	59 50 42.4	- 4.403	- 755	1916.86	1040
77	9.4	51 14.18	5.1692	270	58 7 48.2	4.446	733	1916.86	992
78	9.4	51 44.86	5.2302	285	58 52 30.2	4.490	741	1916.86	993
79	9.4	53 43.69	5.1250	275	57 38 47.0	4 658	725	1916.86	1032
80	9.4	7 19 18.28	4.9146	357	55 40 48.0	6.801	671	1916.86	1204
81	9.5	7 21 38.29	+ 4.9416	- 376	56 9 56.2	- 6.993	- 672	1916.46	1219
82		23 5.55	5.0929	429	58 15 27.7	7.112	691	1916.46	—
83		24 18.19	5.0929	436	58 18 35.0	7.211	690	1916.46	—
84		24 34.78	4.9261	386	56 4 27.9	7.234	667	1916.46	—
85		26 6.29	4.8965	385	55 42 53.4	7.358	661	1916.46	—
86		7 31 14.33	+ 5.1582	- 498	59 28 59.3	- 7.774	- 690	1916.46	—
87		32 32.35	5.0731	476	58 25 49.0	7.879	677	1916.46	—
88	9.5	36 1.24	5.0556	490	58 22 31.4	8.158	670	1916.46	1063
89	9.3	38 44.88	5.0586	506	58 33 5.1	8.376	667	1916.46	1067
90	9.5	43 42.37	4.9818	506	57 48 9.0	8.768	650	1916.46	1111
91	9.4	7 44 42.96	+ 4.9530	- 500	57 27 53.0	- 8.847	- 644	1916.46	1112
92	9.5	45 26.26	4.9343	497	57 14 42.8	8.904	641	1916.46	1113
93		49 47.30	4.9318	519	57 27 40.5	9.244	634	1916.46	—
94		55 37.60	4.9122	543	57 32 21.6	9.694	623	1916.46	—
95		56 3.97	4.8646	525	56 53 3.3	9.727	616	1916.46	—
96		8 1 13.32	+ 4.9304	- 582	58 9 6.9	- 10.120	- 616	1916.46	—
97		3 52.39	4.8812	574	57 38 13.7	10.319	606	1916.46	—
98	9.5	6 35.23	4.9327	613	58 32 35.7	10.522	608	1916.46	1107
99	9.5	14 9.21	4.9842	685	59 45 51.0	11.080	601	1916.46	1162
100	9.5	14 12.21	4.6944	542	55 30 54.5	11.083	566	1916.46	1274

No	BD Magn	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No
		h m s	s	° ' "	"		
101	9.5	8 14 47.40	+ 4.9031 - 647	58 43 9.9	- 11.126 - 590	1916.46	1116
102	9.5	15 48.78	4.8728 637	58 22 11.4	11.201 585	1916.46	1117
103	9.3	24 35.11	4.8614 683	58 53 35.5	11.829 567	1916.46	1134
104	9.4	25 3.07	4.8836 698	59 14 31.7	11.862 569	1916.46	1179
105		25 37.42	4.6638 584	55 56 18.7	11.902 542	1916.46	—
106	9.5	25 55.09	+ 4.7189 - 614	56 51 41.8	- 11.923 - 548	1916.46	1310
107		26 14.78	4.6294 569	55 24 30.8	11.946 537	1916.46	—
108	9.4	27 6.83	4.8748 705	59 17 10.3	12.007 564	1916.46	1182
109	9.5	31 8.07	4.7932 683	58 27 4.2	12.287 547	1916.46	1142
110		33 32.67	4.7577 677	58 7 38.7	12.452 538	1916.46	—
111	9.2	8 36 38.90	+ 4.5813 - 596	55 30 49.5	- 12.664 - 513	1916.46	1292
112	9.5	36 56.44	4.7880 715	58 53 11.6	12.684 535	1916.46	1147
113	9.3	38 36.58	4.5820 606	55 42 49.2	12.797 509	1916.46	1293
114	9.5	38 42.07	4.8362 755	59 44 31.7	12.803 537	1916.46	1191
115		46 21.62	4.5715 639	56 17 58.3	13.312 493	1916.86	—
116	9.4	8 48 6.04	+ 4.6438 - 693	57 42 33.0	- 13.425 - 497	1916.86	1184
117	9.3	50 8.58	4.6217 690	57 33 5.1	13.557 491	1916.86	1185
118		50 10.83	4.5802 665	56 50 48.9	13.560 486	1916.86	—
119	9.5	53 18.59	4.5798 682	57 10 21.6	13.760 480	1916.86	1188
120	9.4	56 22.45	4.5295 667	56 37 5.6	13.954 468	1916.86	1360
121	9.3	8 57 40.41	+ 4.6353 - 743	58 34 39.6	- 14.036 - 477	1916.86	1171
122	9.4	9 3 1.34	4.6063 756	58 41 48.8	14.366 463	1916.90	1178
123	9.5	5 27.97	4.5731 748	58 25 14.3	14.515 454	1916.90	1180
124	9.5	8 8.19	4.4663 690	56 49 42.3	14.675 438	1916.90	1379
125		8 21.53	4.4041 649	55 38 56.2	14.688 431	1916.90	—
126	9.5	9 8 23.17	+ 4.4498 - 680	56 32 49.4	- 14.690 - 435	1916.90	1380
127		9 2.76	4.4097 656	55 50 48.0	14.729 430	1916.90	—
128	9.3	13 49.44	4.4969 744	58 6 12.1	15.010 429	1916.90	1187
129	9.5	13 58.54	4.5307 769	58 43 14.7	15.018 431	1916.90	1188
130		14 11.90	4.4442 708	57 10 30.0	15.031 423	1916.90	—
131	9.5	9 14 53.37	+ 4.3806 - 668	56 0 50.8	- 15.071 - 415	1916.90	1382
132		16 55.61	4.3928 687	56 31 51.5	15.188 412	1916.90	—
133		17 4.68	4.8426 653	55 31 21.6	15.197 407	1916.90	—
134	9.2	20 54.92	4.3218 658	55 36 34.0	15.414 397	1916.94	1336
135	9.3	21 14.80	4.3307 667	55 50 45.4	15.432 397	1916.94	1338
136	9.5	9 21 30.49	+ 4.4251 - 737	57 46 48.4	- 15.447 - 405	1916.94	1220
137	9.4	21 55.35	4.4540 762	58 22 40.9	15.470 407	1916.94	1193
138		22 49.92	4.3223 669	55 53 22.3	15.521 393	1916.94	—
139	9.5	24 44.84	4.2861 653	55 22 49.7	15.626 385	1916.94	1340
140		25 36.85	4.2707 647	55 9 51.1	15.673 382	1916.94	—
141	9.2	9 27 16.56	+ 4.3023 - 679	56 6 15.5	- 15.764 - 381	1916.94	1393
142		28 56.61	4.2679 662	55 35 49.4	15.854 375	1916.94	—
143	9.5	29 13.61	4.3109 696	56 34 38.9	15.869 378	1916.94	1395
144	9.3	29 40.20	4.3009 691	56 25 41.6	15.892 376	1916.94	1396
145		32 43.49	4.2541 672	55 51 53.9	16.054 365	1916.94	—
146		9 33 42.72	+ 4.3466 - 751	57 59 28.2	- 16.106 - 371	1916.94	—
147	9.5	34 39.02	4.2273 663	55 33 20.1	16.154 358	1916.94	1346
148		36 17.14	4.2336 677	55 57 38.5	16.239 355	1916.94	—
149		36 58.18	4.3442 770	58 26 26.9	16.274 363	1916.94	—
150	9.5	39 32.19	4.3443 786	58 50 34.8	16.404 358	1916.94	1214

No	BD Magn	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Epoch	BD No
		h m s	s		° ' "	"			
151	9.3	9 40 34.21	+ 4.2136	- 685	56 11 52.9	- 16.456	- 344	1917.06	1409
152	9.2	40 38.74	4.3165	771	58 27 26.7	16.459	353	1917.06	1215
153	9.5	41 27.28	4.2738	740	57 41 24.0	16.500	347	1917.06	1235
154	9.3	45 9.83	4.3174	801	59 12 36.3	16.682	342	1917.06	1272
155	9.5	46 13.72	4.1910	700	56 37 54.7	16.734	330	1917.06	1414
156		9 46 16.89	+ 4.1519	- 668	55 41 55.2	- 16.736	- 326	1917.06	—
157	9.2	47 19.44	4.2196	731	57 28 50.1	16.787	329	1917.06	1237
158	9.2	49 50.65	4.2497	773	58 35 7.3	16.906	326	1917.06	1227
159		53 57.37	4.0845	655	55 22 51.3	17.097	304	1917.06	—
160	9.5	54 46.78	4.0859	661	55 34 27.7	17.134	302	1917.06	1361
161		9 59 42.99	+ 4.1308	- 732	57 40 19.4	- 17.354	- 294	1917.06	—
162	9.3	10 5 18.85	4.0799	722	57 31 13.0	17.595	278	1917.06	1252
163	9.4	7 31.20	4.0277	687	56 35 42.5	17.687	269	1917.06	1446
164	9.5	8 9.00	4.1396	801	59 34 22.4	17.713	275	1917.06	1297
165		8 48.57	4.0186	687	56 37 19.4	17.740	266	1917.06	—
166	9.4	10 9 18.42	+ 4.1012	- 771	58 53 26.5	- 17.760	- 270	1917.06	1247
167	9.5	9 52.48	4.0142	690	56 43 51.5	17.783	263	1917.06	1448
168	9.5	12 56.65	4.0003	697	57 1 33.7	17.906	255	1917.06	1264
169	9.5	14 16.87	3.9821	688	56 48 46.4	17.958	251	1917.06	1452
170		15 27.44	3.9583	672	56 23 23.7	18.004	246	1917.06	—
171	9.5	10 20 49.38	+ 3.9830	- 736	58 22 54.6	- 18.206	- 236	1916.94	1258
172	9.3	23 44.48	3.9999	778	59 33 29.5	18.311	230	1916.94	1313
173		25 22.85	3.8509	630	55 26 5.4	18.369	217	1916.94	—
174	9.5	25 44.85	3.9719	763	59 17 6.6	18.382	224	1916.94	1314
175	9.5	26 44.45	3.9732	773	59 34 28.4	18.417	221	1916.94	1316
176	9.5	10 27 26.85	+ 3.8358	- 629	55 28 14.0	- 18.441	- 212	1916.94	1399
177	9.5	28 24.68	3.8208	620	55 12 13.6	18.474	209	1916.94	1400
178		28 46.15	3.9424	755	59 13 22.3	18.486	215	1916.94	—
179		30 43.20	3.8579	676	57 7 33.5	18.552	206	1916.94	—
180	9.5	32 2.51	3.9331	773	59 49 16.0	18.595	207	1916.94	1319
181	9.5	10 34 19.00	+ 3.9042	- 759	59 35 22.7	- 18.669	- 200	1916.94	1322
182		43 14.66	3.8002	713	58 52 46.9	18.940	174	1916.94	—
183		45 21.96	3.7762	703	58 42 57.0	19.000	168	1916.94	—
184	9.2	46 38.49	3.7299	656	57 23 38.7	19.036	163	1916.94	1296
185	9.3	49 14.64	3.7050	647	57 17 50.9	19.106	156	1916.94	1297
186	9.5	10 51 47.27	+ 3.6884	- 649	57 31 46.6	- 19.172	- 150	1916.94	1299
187		11 3 1.70	3.6158	662	58 49 0.7	19.438	121	1917.06	—
188	9.2	3 5.97	3.5816	612	57 10 29.7	19.439	120	1917.06	1308
189	9.2	5 41.62	3.5223	551	55 6 42.3	19.494	112	1917.06	1448
190		8 44.40	3.5536	632	58 21 53.1	19.555	106	1917.06	—
191	9.4	11 11 2.65	+ 3.5403	- 639	58 47 46.4	- 19.598	- 101	1917.06	1312
192	9.5	12 38.72	3.5260	635	58 50 48.1	19.628	97	1917.06	1314
193	9.5	16 44.00	3.4794	609	58 20 57.9	19.698	87	1917.06	1316
194	9.4	20 21.17	3.4586	623	59 13 16.2	19.755	78	1917.22	1379
195		20 33.70	3.4178	548	56 28 20.1	19.758	77	1917.22	—
196		11 21 34.32	+ 3.4333	- 592	58 16 55.4	- 19.773	- 75	1917.22	—
197	9.3	25 33.66	3.3957	580	58 15 8.4	19.828	66	1917.22	1323
198	9.4	30 11.46	3.3342	522	56 29 51.1	19.885	54	1917.22	1532
199	9.2	31 23.00	3.3441	568	58 30 46.3	19.898	52	1917.22	1327
200	9.4	31 59.40	3.3122	502	55 48 26.3	19.905	50	1917.22	1479

No	BD Magn	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No.
		h m s	s	° ' "	"		
201	9.5	11 32 19.02	+ 3.3073 - 496	55 34 44.3	- 19.908 - 50	1917.22	1480
202	9.3	33 14.31	3.3096 519	56 43 30.4	19.918 48	1917.22	1535
203	9.5	36 7.56	3.3121 588	59 53 19.5	19.945 42	1917.22	1399
204		38 1.25	3.2756 529	57 48 15.1	19.962 37	1917.22	——
205	9.2	44 50.11	3.2047 475	56 16 31.5	20.010 22	1917.22	1549
206	9.3	11 46 11.77	+ 3.1928 - 471	56 15 40.5	- 20.018 - 19	1917.22	1551
207	9.3	47 54.12	3.1834 493	57 36 42.7	20.026 16	1917.22	1342
208	9.3	48 35.33	3.1724 466	56 23 49.8	20.029 14	1917.22	1553
209	9.4	51 55.82	3.1532 526	59 48 40.1	20.042 8	1917.22	1412
210	9.4	53 28.78	3.1366 511	59 25 22.4	20.046 - 4	1917.22	1415
211	9.5	11 56 13.86	+ 3.1041 - 424	55 20 14.0	- 20.051 + 1	1917.22	1507
212	9.3	12 5 11.82	3.0240 438	57 51 40.2	20.049 19	1917.26	1358
213		7 21.89	3.0029 437	58 14 48.4	20.044 23	1917.26	——
214	9.4	8 10.32	3.0021 395	55 48 2.3	20.042 24	1917.26	1520
215		9 37.04	2.9834 421	57 44 32.9	20.037 27	1917.26	——
216	9.3	12 10 10.28	+ 2.9859 - 385	55 30 31.9	- 20.035 + 28	1917.26	1521
217	9.5	10 10.73	2.9741 437	58 50 38.0	20.035 28	1917.26	1366
218	9.3	15 47.91	2.9274 396	57 33 46.6	20.007 38	1917.26	1370
219	9.5	20 12.12	2.8730 407	59 25 49.5	19.976 46	1917.26	1439
220	9.4	22 13.64	2.8513 402	59 38 5.6	19.960 49	1917.26	1441
221	9.4	12 23 16.04	+ 2.8448 - 392	59 12 51.1	- 19.951 + 51	1917.26	1442
222		32 37.07	2.7939 317	55 43 54.2	19.851 66	1917.26	——
223	9.5	37 34.80	2.7373 312	56 54 43.4	19.785 74	1917.26	+ 1389
224	9.4	37 35.47	2.7475 305	56 5 41.1	19.785 74	1917.26	1620
225	9.4	37 41.37	2.7379 310	56 47 38.6	19.784 74	1917.26	1621
226	9.3	12 43 32.74	+ 2.6988 - 284	55 56 23.5	- 19.693 + 83	1917.18	+ 1624
227	9.5	43 43.39	2.6926 286	56 16 11.6	19.690 83	1917.18	1625
228		44 25.38	2.6876 283	56 11 52.2	19.679 84	1917.18	——
229	9.5	45 52.83	2.6575 287	57 20 13.4	19.654 86	1917.18	1395
230	9.4	54 27.20	2.5470 268	59 4 32.6	19.491 96	1917.18	1477
231	9.2	12 55 52.81	+ 2.5205 - 266	59 40 19.2	- 19.461 + 97	1917.18	1478
232	9.5	58 48.20	2.5196 248	58 27 19.1	19.398 102	1917.18	1412
233	9.5	58 53.39	2.5757 233	55 37 6.1	19.396 104	1917.18	1574
234	9.4	59 2.46	2.5491 240	56 55 58.2	19.393 103	1917.18	+ 1416
235	9.4	13 3 5.68	2.5269 223	56 19 18.4	19.299 109	1917.26	1642
236	9.3	13 7 16.24	+ 2.4137 - 220	59 34 15.4	- 19.197 + 110	1917.26	1492
237	9.5	8 37.97	2.4067 215	59 20 55.6	19.162 112	1917.26	1494
238	9.3	12 3.97	2.4775 191	55 11 20.7	19.071 120	1917.26	1589
239	9.5	15 59.57	2.4318 181	55 48 12.7	18.962 124	1917.26	1594
240	9.4	21 51.37	2.3536 164	56 57 31.7	18.789 128	1917.30	+ 1439
241	9.5	13 23 34.47	+ 2.3620 - 158	56 7 32.3	- 18.736 + 131	1917.30	1659
242	9.5	26 17.53	2.2501 149	59 7 24.7	18.650 129	1917.30	1516
243	9.5	32 55.26	2.1920 126	59 4 32.0	18.428 134	1917.30	1521
244	9.5	34 5.50	2.2032 123	58 26 57.6	18.388 136	1917.30	1458
245	9.3	34 40.10	2.1616 118	59 29 11.9	18.368 135	1917.30	1524
246	9.5	13 39 37.80	+ 2.2553 - 112	55 25 24.2	- 18.189 + 146	1917.30	1631
247	9.4	42 1.20	2.2057 104	56 24 13.5	18.100 146	1917.27	1687
248		43 9.25	2.2286 102	55 25 2.1	18.057 149	1917.27	——
249		44 28.12	2.1046 89	58 41 30.1	18.007 143	1917.27	——
250		48 48.38	2.1246 82	57 10 50.7	17.836 149	1917.27	——

No	BD Magn	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No
		h m s	s	° ' "	"		
251	9.5	13 49 32.60	+ 2.1686 - 84	55 45 59.6	- 17.807 + 153	1917.27	1644
252		49 36.98	2.1538 83	56 10 47.8	17.804 152	1917.27	—
253	9.5	51 0.93	2.1304 78	56 31 59.6	17.747 152	1917.27	1695
254		52 4.94	2.0939 72	57 17 59.0	17.704 151	1917.27	—
255	9.5	53 15.06	2.1063 71	56 43 6.3	17.655 153	1917.27	1696
256		13 57 30.30	+ 2.0058 - 50	58 24 35.2	- 17.476 + 151	1917.27	—
257		58 2.09	1.9960 48	58 32 18.8	17.453 151	1917.27	—
258	9.5	58 33.19	2.0107 49	58 5 7.7	17.430 152	1917.27	1483
259		14 1 10.66	1.9843 41	58 12 21.8	17.316 153	1917.30	—
260		3 22.46	1.9554 33	58 27 41.9	17.218 154	1917.30	—
261	9.3	14 6 29.33	+ 1.9706 - 31	57 31 57.1	- 17.077 + 158	1917.30	1493
262	9.5	6 39.84	2.0568 43	55 20 55.8	17.069 165	1917.30	1663
263	9.3	8 55.22	1.9519 25	57 31 37.4	16.964 159	1917.30	1495
264	9.5	9 22.57	1.8912 14	58 48 3.2	16.943 155	1917.30	1488
265		10 52.78	1.8765 9	58 51 9.3	16.872 155	1917.30	—
266	9.3	14 11 22.64	+ 1.8682 - 7	58 56 32.4	- 16.849 + 155	1917.30	+ 1568
267	9.5	13 28.34	1.8888 8	58 8 45.0	16.748 159	1917.30	1492
268		13 28.32	1.9407 18	56 58 59.5	16.748 163	1917.30	—
269	9.5	17 41.93	1.9687 - 17	55 35 35.5	16.542 169	1917.30	1681
270	9.4	20 10.09	1.7561 + 26	59 44 51.3	16.419 154	1917.33	1581
271	9.3	14 21 17.26	+ 1.9497 - 10	55 26 54.8	- 16.363 + 171	1917.33	1684
272	9.4	25 21.39	1.7020 + 42	59 57 54.6	16.154 154	1917.33	+ 1543
273	9.4	25 32.08	1.7288 36	59 26 47.5	16.145 156	1917.33	1585
274	9.5	30 26.70	1.6805 50	59 37 3.9	15.886 156	1917.33	1593
275		30 31.77	1.6712 52	59 46 22.7	15.882 156	1917.33	—
276		14 31 7.25	+ 1.6993 + 46	59 10 49.7	- 15.850 + 159	1917.33	—
277	9.5	41 19.05	1.7108 48	57 33 47.7	15.288 168	1917.34	1530
278	9.3	44 25.85	1.7351 45	56 40 47.9	15.110 173	1917.34	1762
279		44 30.98	1.7476 42	56 25 13.5	15.106 174	1917.34	—
280	9.4	45 3.57	1.5796 79	59 25 41.6	15.075 158	1917.34	1609
281	9.4	14 47 57.06	+ 1.5988 + 75	58 44 30.0	- 14.906 + 162	1917.34	1534
282		48 10.24	1.5422 89	59 39 57.4	14.893 157	1917.34	—
283	9.3	49 17.83	1.7192 50	56 21 46.1	14.827 175	1917.34	1768
284	9.5	49 37.87	1.5250 93	59 46 8.0	14.807 156	1917.34	1617
285	9.4	49 53.91	1.6063 74	58 22 22.9	14.792 165	1917.34	1536
286	9.3	14 50 52.71	+ 1.6933 + 55	56 39 54.7	- 14.734 + 174	1917.34	1769
287	9.5	52 58.25	1.6854 58	56 33 29.7	14.609 175	1917.34	1772
288	9.4	54 24.73	1.4772 105	59 58 7.1	14.522 155	1917.34	+ 1575
289	9.4	55 25.13	1.6209 71	57 27 9.8	14.461 170	1917.34	1547
290		57 18.80	1.7217 52	55 19 37.6	14.346 182	1917.34	—
291	9.3	14 58 32.13	+ 1.7136 + 54	55 20 28.0	- 14.271 + 182	1917.34	1729
292	9.5	15 1 41.81	1.5653 84	57 42 27.9	14.075 169	1916.90	1551
293	9.5	2 0.98	1.4781 104	59 6 41.1	14.055 160	1916.90	1627
294	9.3	3 28.79	1.6303 71	56 21 21.0	13.964 176	1916.90	1784
295	9.2	4 0.60	1.6918 60	55 8 8.8	13.930 183	1906.90	1732
296	9.3	15 5 17.45	+ 1.6229 + 73	56 17 29.2	- 13.849 + 177	1916.90	1785
297	9.5	6 56.45	1.6508 68	55 35 33.5	13.745 181	1916.90	1735
298	9.5	7 29.60	1.4890 101	58 21 16.0	13.710 164	1916.90	1555
299		8 31.99	1.4619 107	58 40 48.5	13.643 162	1916.90	—
300	9.5	9 0.00	1.4789 103	58 22 33.5	13.613 164	1916.90	1556

No	BD Magn	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No
		h m s	s	° ' "	"		
301	9.5	15 9 23.25	+ 1.3992 + 122	59 33 25.2	- 13.588 + 156	1916.90	1633
302		10 34.90	1.6315 72	55 33 38.1	13.512 181	1916.90	——
303	9.4	12 55.29	1.6121 75	55 40 13.2	13.359 181	1916.90	1739
304	9.5	13 47.53	1.5623 85	56 28 22.4	13.302 176	1916.90	1794
305	9.3	16 46.82	1.3381 134	59 44 1.6	13.105 153	1916.90	1639
306	9.2	15 18 12 69	+ 1.3809 + 123	58 58 18.6	- 13.010 + 159	1916.90	1642
307	9.5	21 53.87	1.3666 125	58 50 33.0	12.763 159	1916.45	1570
308	9.3	25 19.73	1.5511 86	55 32 23.5	12.530 182	1916.45	1755
309	9.3	25 22.66	1.4658 102	56 58 50.0	12.527 172	1916.45	+ 1588
310	9.4	25 41.67	1.4697 102	56 53 17.0	12.505 173	1916.45	1809
311	9.3	15 25 50.47	+ 1.4603 + 103	57 1 36.2	- 12.495 + 172	1916.45	1589
312	9.3	26 3.26	1.3474 127	58 45 13.7	12.480 159	1916.45	1573
313	9.5	27 25.91	1.2759 143	59 39 28.0	12.386 152	1916.45	1657
314	9.4	28 9.93	1.2873 140	59 26 6.8	12.335 153	1916.45	1658
315	9.2	28 35.28	1.2765 142	59 33 5.0	12.306 152	1916.45	1659
316	9.4	15 29 22.52	+ 1.4022 + 114	57 38 0.3	- 12.252 + 167	1916.45	1592
317		31 38.58	1.4219 109	57 7 41.7	12.094 171	1916.45	——
318		33 11.58	1.4728 99	56 10 14.6	11.986 177	1916.45	——
319		33 41.03	1.2673 141	59 15 18.8	11.951 153	1916.45	——
320	9.5	33 49.24	1.4459 104	56 33 32.4	11.941 175	1916.45	1816
321		15 34 22.62	+ 1.2272 + 150	59 44 56.2	- 11.903 + 149	1916.45	——
322	9.5	46 33.33	1.2258 142	58 50 11.6	11.028 154	1916.45	1593
323	9.3	50 28.78	1.3786 110	56 18 41.1	10.740 174	1916.45	1840
324	9.5	50 42.15	1.3515 114	56 42 47.0	10.723 171	1916.45	1841
325	9.5	53 55.13	1.1609 149	59 11 38.9	10.484 149	1916.45	1692
326	9.5	15 55 35.38	+ 1.2245 + 135	58 13 13.9	- 10.360 + 157	1916.45	1603
327	9.2	56 4.42	1.2290 134	58 7 27.7	10.323 158	1916.45	1604
328	9.2	57 4.14	1.3306 115	56 34 56.3	10.249 171	1916.45	1848
329	9.3	16 3 44.52	1.3846 102	55 17 59.2	9.742 181	1916.89	1814
330	9.4	7 29.32	1.3245 109	55 59 45.9	9.454 174	1916.89	+ 1871
331	9.5	16 8 25.17	+ 1.1107 + 145	58 56 9.0	- 9.383 + 147	1916.89	1623
332	9.2	12 28.68	1.0505 152	59 27 59.7	9.067 141	1916.89	1711
333	9.2	20 46.31	0.9955 153	59 41 57.8	8.414 135	1916.89	1720
334	9.2	21 49.01	1.0578 141	58 52 51.1	8.331 144	1916.89	1636
335	9.5	22 18.79	1.2389 112	56 25 0.7	8.292 168	1916.89	1890
336	9.3	16 23 20.75	+ 1.2517 + 109	56 10 38.4	- 8.209 + 170	1916.89	1891
337	9.5	24 46.15	1.3058 101	55 17 57.9	8.095 178	1916.89	1849
338		25 33.81	0.9805 150	59 38 40.5	8.032 135	1916.89	——
339	9.5	25 36.16	1.2714 105	55 46 18.3	8.029 173	1916.89	1850
340	9.5	26 32.18	1.2399 108	56 11 11.0	7.954 169	1916.89	1893
341		16 27 40.01	+ 1.2700 + 103	55 41 20.6	- 7.863 + 174	1916.89	——
342	9.5	28 39.05	0.9948 143	59 19 38.6	7.783 137	1916.89	1731
343	9.3	32 57.95	1.2364 103	55 55 37.2	7.434 171	1916.89	1859
344		38 44.12	1.1924 104	56 17 55.4	6.963 166	1916.89	——
345	9.5	40 29.35	1.1769 105	56 26 30.6	6.819 164	1916.45	1914
346	9.3	16 49 43.62	+ 0.8837 + 131	59 46 59.8	- 6.053 + 126	1916.45	1768
347	9.5	50 22.97	0.9816 118	58 36 28.1	5.999 139	1916.45	1676
348	9.3	52 0.01	1.0815 104	57 17 25.1	5.863 153	1916.45	1714
349	9.2	52 4.68	1.1881 92	55 50 13.4	5.857 168	1916.45	1887
350		54 30.18	1.1275 97	56 35 31.2	5.654 160	1916.45	——

No	BD Mag	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No
		h m s	s	° ' "	"		
351	9.5	17 2 25.72	+ 0.9631 + 104	58 27 4.0	- 4.985 + 138	1916.89	1696
352	9.5	5 36.64	0.9562 101	58 26 44.2	4.715 138	1916.89	1699
353	9.4	6 25.66	1.1027 87	56 33 42.3	4.645 158	1916.89	1951
354	9.5	7 21.60	1.0562 89	57 8 53.3	4.566 152	1916.89	1740
355		8 57.92	1.0402 89	57 18 42.0	4.429 150	1916.89	—
356	9.4	17 9 35.42	+ 1.1283 + 81	56 7 52.4	- 4.376 + 162	1916.89	1956
357	9.5	12 14.26	0.8705 100	59 17 12.1	4.149 126	1916.89	1799
358	9.3	12 20.80	1.1800 74	55 20 33.1	4.140 170	1916.89	1922
359	9.5	12 39.96	1.1712 74	55 27 33.0	4.113 169	1916.89	1923
360	9.2	14 15.21	1.1334 75	55 56 49.0	3.976 164	1916.89	1926
361		17 15 35.87	+ 0.8287 + 98	59 40 56.8	- 3.861 + 120	1916.89	—
362		15 47.95	0.8395 97	59 33 26.8	3.844 122	1916.89	—
363		20 50.89	1.0958 71	56 18 47.2	3.409 159	1916.89	—
364	9.5	39 5.58	0.8003 63	59 37 43.6	1.827 117	1916.89	1835
365	9.3	45 45.87	0.8557 50	58 57 5.6	1.245 125	1916.98	1760
366	9.5	17 50 10.03	+ 0.8652 + 43	58 49 0.6	- 0.860 + 126	1916.98	1769
367	9.4	59 2.24	0.8867 30	58 32 44.0	- 0.084 129	1916.98	1778
368	9.4	59 28.21	0.9376 29	57 56 28.5	- 0.046 137	1916.98	1833
369	9.4	18 3 10.04	0.8223 24	59 16 58.7	+ 0.277 120	1917.50	1876
370	9.5	6 36.80	0.7727 18	59 50 12.4	+ 0.578 112	1917.50	1878
371	9.3	18 8 54.02	+ 0.8369 + 15	59 8 9.8	+ 0.779 + 122	1917.50	1882
372		9 47.39	0.8607 + 14	58 52 9.6	0.856 125	1917.50	—
373	9.3	18 4.05	1.0290 + 6	56 53 1.9	1.579 149	1917.50	2090
374	9.5	19 18.63	0.8446 - 1	59 7 8.5	1.688 122	1917.50	1891
375	9.4	19 25.69	0.8361 - 2	59 12 59.6	1.698 121	1917.50	1892
376	9.3	18 30 20.58	+ 0.9484 - 13	58 2 13.2	+ 2.647 + 136	1917.50	1822
377	9.5	31 31.18	0.8968 17	58 40 6.9	2.749 128	1917.50	1823
378	9.5	38 32.15	0.9204 26	58 30 39.3	3.356 131	1917.50	1828
379	9.2	44 38.82	0.9359 33	58 27 4.3	3.882 132	1917.50	1833
380	9.5	47 19.52	0.8143 47	59 54 23.9	4.112 114	1917.50	1923
381		18 47 26.59	+ 0.8355 - 46	59 40 28.1	+ 4.122 + 118	1917.50	—
382	9.5	53 41.38	0.8631 53	59 30 58.0	4.655 120	1917.50	1930
383		54 14.36	0.9598 44	58 23 52.2	4.702 134	1917.50	—
384	9.2	55 55.05	0.8647 55	59 33 27.9	4.844 120	1917.50	1932
385	9.5	56 31.81	0.9824 45	58 11 6.7	4.897 137	1917.50	1850
386	9.2	18 57 26.84	+ 0.8906 - 55	59 18 14.3	+ 4.974 + 124	1917.50	1934
387	9.2	19 16 13.23	0.9948 69	58 41 19.8	6.547 134	1917.52	1892
388		19 20 52.75	1.0610 66	58 2 43.8	6.931 142	1917.08	—
389		20 32 19.22	1.2768 90	59 37 24.7	12.369 141	1916.22	—
390	9.2	20 37 21.19	1.4389 57	57 39 49.0	12.712 157	1916.22	2233
391	9.3	21 19 25.80	+ 1.6609 - 9	58 35 14.5	+ 15.330 + 150	1916.22	2257
392	9.3	21 23 10.40	1.6898 - 1	58 33 40.9	15.539 149	1916.22	2265
393		22 22 42.80	2.1385 + 155	59 28 17.8	18.274 121	1915.73	—
394	9.5	23 20 20.59	2.7166 + 348	57 5 19.6	19.755 60	1915.77	- 3005
395	9.5	23 21 56.30	2.7256 + 357	57 28 45.6	19.778 57	1915.77	2742
396	9.5	23 21 56.88	+ 2.7225 + 359	57 43 0.2	+ 19.778 + 57	1915.77	2741

A P P E N D I X 2

Positions of 80 Gesellschaft Stars

in the zone 50° to 55°,

but not in the zone 55° to 60°,

measured on these plates.

Reduced to 1875.0

without applying proper motions.

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.		Decl 1875	Prec. and Sec. Var.		Epoch	BD No
		h m s	s		° ' "	"			
307	8.4 K0	0 36 51.03	+ 3.3772	+ 542	54 56 8.2	+ 19.796	- 87	1915.77	139
573	8.6 A0	1 8 41.45	3.6336	607	54 53 17.3	19.160	165	1915.82	254
587	8.9 A	1 11 15.57	3.6542	612	54 53 51.5	19.093	171	1915.82	261
614	8.8 A0	1 15 29.49	3.6886	621	54 56 45.5	18.976	182	1915.82	274
1331	8.9 K0	2 47 56.51	4.3354	650	54 42 0.0	14.907	429	1915.85	623
1349	7.2 A0	2 50 54.60	+ 4.3527	+ 646	54 41 13.4	+ 14.732	- 437	1915.85	629
1399	9.2	3 2 5.42	4.4301	639	54 54 39.9	14.051	467	1916.34	644
1424	8.6 A0	6 42.79	4.4532	630	54 50 25.9	13.759	478	1916.34	657
1437	8.7 A0	9 34.51	4.4743	629	54 56 14.4	13.576	486	1916.34	664
1521	8.8 F5	23 6.23	4.5382	599	54 45 25.1	12.681	518	1916.30	689
1545	7.9 B	3 28 25.97	+ 4.5654	+ 587	54 45 18.2	+ 12.317	- 531	1916.30	698
1576	6.8 A5	36 11.36	4.5990	567	54 40 4.1	11.774	548	1916.30	707
1653	8.9 A0	46 59.26	4.6410	536	54 31 20.8	10.996	571	1916.30	722
1697	7.2 F5	54 47.16	4.6867	520	54 43 7.2	10.420	588	1916.30	734
1698	8.6 F5	54 58.07	4.6825	517	54 38 2.1	10.406	588	1916.30	735
1705	9.0 K0	3 55 56.42	+ 4.6878	+ 515	54 39 16.3	+ 10.333	- 590	1916.30	736
1804	8.9 A	4 11 18.16	4.7635	472	54 53 0.5	9.159	622	1916.30	761
1852	7.4 F8	18 53.76	4.7808	442	54 43 2.9	8.562	634	1916.30	773
1993	8.0 A3	42 50.12	4.8630	355	54 49 46.0	6.625	672	1915.81	831
2057	8.6 A0	54 26.54	4.8910	307	54 48 30.3	5.658	686	1915.81	857
2131	8.9 K5	5 7 10.46	+ 4.9199	+ 253	54 50 12.9	+ 4.582	- 700	1915.81	875
2141	8.9 A0	9 8.21	4.9205	244	54 47 36.1	4.414	702	1915.81	879
2192	8.3 B9	18 28.30	4.9378	203	54 49 10.5	3.614	710	1915.81	894
2238	8.6 G5	28 3.00	4.9552	160	54 53 14.6	2.787	717	1915.81	918
2269	8.4 F5	32 16.48	4.9512	140	54 45 53.2	2.420	718	1915.81	928
2277	7.2 A0	5 33 38.60	+ 4.9550	+ 134	54 48 3.7	+ 2.301	- 719	1915.81	932
2354	8.6 A0	46 54.51	4.9596	72	54 43 52.1	1.145	722	1915.94	963
2358	8.9 K2	47 19.16	4.9660	70	54 49 14.4	1.109	724	1915.94	966
2378	8.9 K7	50 17.58	4.9669	56	54 48 54.9	+ 0.849	724	1915.94	975
2434	8.8 A3	6 0 56.63	4.9719	6	54 51 46.7	- 0.082	725	1916.46	993

AG No	Magn Spect	RA 1875	Prec. and Sec. Var.	Decl 1875	Prec. and Sec. Var.	Epoch	BD No
		h m s	s	° ' "	"		
2447	8.4 F8	6 3 23.43	+ 4.9612 - 5	54 42 49.8	- 0.296 - 723	1916.46	998
2508	8.2 G0	6 18 48.12	4.9639 77	54 50 22.4	1.643 721	1916.46	1035
3104	9.0 G0	8 12 48.77	4.6587 519	54 48 36.0	10.982 564	1916.46	1219
3286	6.0 A2	8 54 50.19	4.4410 605	54 46 28.9	13.858 462	1916.86	1272
3297	9.2 F5	8 57 21.32	4.4279 609	54 48 8.6	14.016 456	1916.86	1276
3428	7.9 F8	9 27 49.64	+ 4.2348 - 632	54 40 37.4	- 15.794 - 374	1916.94	1314
3515	8.6 F8	9 48 1.19	4.0984 634	54 38 40.1	16.820 318	1917.06	1338
3595	9.2 F8	10 6 5.06	3.9748 629	54 45 59.8	17.628 269	1917.06	1358
3618	9.2 F2	10 13 27.92	3.9199 623	54 44 14.9	17.926 249	1917.06	1369
3672	8.6 K7	10 27 30.15	3.8110 604	54 35 52.2	18.443 210	1916.94	1383
3693	9.1 K2	10 34 43.31	+ 3.7597 - 598	54 44 20.8	- 18.682 - 192	1916.94	1389
3696	8.7 K0	10 35 24.62	3.7505 592	54 34 59.4	18.704 190	1916.94	1390
3724	9.0 K5	10 44 1.30	3.6871 582	54 42 43.8	18.962 167	1916.94	1401
3851	9.1 G	11 17 34.12	3.4192 514	54 39 18.5	19.712 83	1917.06	1439
3881	8.8 A2	11 28 46.05	3.3277 485	54 34 52.4	19.868 57	1917.22	1451
3916	8.0 A0	11 38 30.71	+ 3.2486 - 461	54 38 31.8	- 19.966 - 36	1917.22	1461
4036	9.0 K0	12 9 35.39	2.9937 373	54 32 52.9	20.037 + 27	1917.26	1508
4049	8.0 A2	12 14 6.44	2.9566 360	54 34 20.7	20.016 + 35	1917.26	1515
4305	7.5 K0	13 27 34.95	2.3705 145	54 36 26.8	18.608 + 137	1917.30	1606
4342	9.0 K0	13 36 11.51	2.3026 122	54 42 22.9	18.314 + 144	1917.30	1614
4352	9.2 G5	13 38 23.00	+ 2.2876 - 116	54 39 21.0	- 18.234 + 147	1917.30	1617
4417	8.5 G0	13 54 46.87	2.1643 - 74	54 44 24.4	17.591 159	1917.27	1637
4577	6.2 A0	14 34 17.59	1.9008 + 10	54 33 50.8	15.679 180	1917.33	1693
4580	8.8 F8	14 34 38.86	1.8970 + 10	54 35 53.5	15.659 180	1917.33	1694
4618	7.0 K2	14 45 19.09	1.8229 + 31	54 45 1.1	15.059 181	1917.34	1708
4752	7.2 K0	15 21 11.71	+ 1.6219 + 74	54 39 17.4	- 12.811 + 187	1916.45	1745
4872	9.1 K0	15 52 54.99	1.4776 92	54 31 11.4	10.559 188	1916.45	1782
4913	8.6 F0	16 1 33.45	1.4268 97	54 45 46.1	9.909 185	1916.89	1791
4915	9.1 G5	16 2 6.02	1.4246 97	54 45 45.2	9.867 185	1916.89	1792
4953	8.8 G5	16 12 56.03	1.3845 97	54 43 43.7	9.032 184	1916.89	1803
4983	8.5 K2	16 19 9.06	+ 1.3566 + 98	54 48 50.3	- 8.542 + 183	1916.89	1811
5007	8.6 K0	16 24 57.06	1.3374 96	54 48 15.5	8.081 182	1916.89	1814
5036	9.0 K0	16 32 11.86	1.3171 94	54 45 41.8	7.497 181	1916.89	1822
5053	8.6 K0	16 38 30.80	1.3041 86	54 40 14.9	6.981 181	1916.89	1828
5100	7.9 K0	16 49 53.15	1.2659 87	54 47 10.1	6.040 179	1916.45	1846
5116	8.4 K7	16 53 7.63	+ 1.2632 + 84	54 42 37.2	- 5.769 + 179	1916.45	1850
5182	8.6 K0	17 7 34.79	1.2364 74	54 39 3.6	4.548 178	1916.89	1861
5183	8.8	17 7 36.56	1.2367 74	54 38 47.2	4.545 178	1916.89	1862
5213	8.9 F5	17 13 53.86	1.2235 70	54 40 46.3	4.007 177	1916.89	1871
5253	9.2 F2	17 23 0.83	1.2098 61	54 40 52.0	3.222 175	1916.89	1877
5272	9.0 G5	17 26 57.28	+ 1.2001 + 59	54 45 2.6	- 2.882 + 174	1916.89	1884
5375	8.6 G0	17 47 49.28	1.1824 + 39	54 45 38.9	- 1.065 173	1916.98	1917
6203	8.4 K2	19 44 24.81	1.3649 - 46	54 53 12.2	+ 8.824 175	1916.62	2225
6316	8.6 A2	19 57 23.03	1.4173 - 45	54 50 50.0	+ 9.828 176	1916.62	2267
6404	8.4 G0	20 7 20.33	1.4558 - 44	54 54 12.6	+ 10.578 176	1916.62	2300
6446	8.6 K0	20 12 19.49	+ 1.4799 - 42	54 52 23.6	+ 10.946 + 176	1916.62	2317
7531	7.9 K0	22 8 46.39	2.1864 + 128	54 51 6.4	17.738 141	1915.77	2709
7793	9.0 B8	22 31 4.97	2.3531 + 186	54 52 49.2	18.564 122	1915.73	2814
7850	8.3 A2	22 35 17.79	2.3832 + 197	54 58 23.2	18.700 117	1915.73	2834
7884	8.8 A0p	22 39 4.22	2.4136 + 208	54 56 0.9	18.817 114	1915.73	2846

Errata in Volume 4

Page 24, star 1147; omit the spectrum.

Page 30, the epoch of observation is 1915.73.

Page 86, star 4204; the AG right ascension should be $13^h0^m0^s.95$ and our proper motion in right ascension is accordingly $+''.063 \pm ''.020$. Micrometer measures show that this star and 4205 have the same proper motion.

Page 113, star 5570; for 52° read $50.^\circ$

Page 153, star 7593; the BD number is - 3324.

Stars 2637, 3142, 5481, 6321, 6761; right ascension uncertain in AG catalogue and therefore proper motion as well.

Stars 7910, 8274, 8306; declination uncertain in AG catalogue and therefore proper motion as well.

Errata in Volume 5

Page 49, star 2355; declination should be $+0^\circ 11' 29''.1$.

Page 85, star 4175; Photo-Nicolajew in α should be $+^s.93$.

Page 118, star 5827; Photo-Nicolajew in α should be $+^s.05$.

TRANSACTIONS

OF THE

ASTRONOMICAL OBSERVATORY

OF

YALE UNIVERSITY

UNIVERSITY OF ARIZONA
STEWARD OBSERVATORY
TUCSON, ARIZONA

VOLUME 8

PARALLAXES OF 851 STARS

NEW HAVEN
PUBLISHED BY THE OBSERVATORY
1936

Plate 1: Observatory and Residence at Johannesburg

TRANSACTIONS

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VOLUME 8

NEW HAVEN
PUBLISHED BY THE OBSERVATORY
1936

Intelligencer Printing Co.,
Lancaster, Pa.

THE TRIGONOMETRICAL PARALLAXES OF 851 STARS

Determined from Photographs secured with the Twenty-Six Inch Photographic Refractor at the Yale Station, Johannesburg, South Africa, and measured at Johannesburg and New Haven.

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INTRODUCTION

This volume is concerned with the derivation of stellar parallaxes from about 17,000 plates secured at our station at Johannesburg, South Africa. Many members of our staff have contributed to this work. First among them is Dr. H. L. Alden, who has been in charge of the telescope since its installation was completed in June 1925, and under whose supervision more than 40,000 plates have now been secured. Mr. W. O'Connell has also been at Johannesburg since the beginning and he has shared equally with Dr. Alden in securing the plates. Mr. E. Whitworth was stationed at Johannesburg from June 1931, to June 1934, and he secured some of the plates upon which this volume is based. Somewhat less than half of the present material was measured and reduced at Johannesburg chiefly by Dr. Alden and Mr. O'Connell; the remainder of the measuring was done at New Haven by Miss Roche, Miss Patton and others, as set down in detail in the Table of Contents on page (1). Miss Roche has acted as curator for filing the plates, most of which are now cared for at New Haven. The reductions at New Haven were made chiefly by Miss Gesler, Miss Greenwald and Miss Grace. Miss Jenkins has done almost all the work of preparing the material for the printer. The typewritten sheets suitable for photography have been prepared by Miss Steele and Miss McCabe. The writer's share in the work has been to superintend the construction of the telescope at New Haven and to set it up at Johannesburg; he is also responsible for the general make-up of the observing list and for the methods employed, in both of which respects he has had the advantage of being able to call upon Dr. Alden's long experience in parallax problems. Dr. Alden has selected the comparison stars for all the fields. For those regions handled at New Haven the writer has determined the dependences and has carried out the least-squares solutions.

Selection of the Site

The plans for the reorganization in 1920 of the Yale University Observatory included a large photographic refractor to be erected in the southern hemisphere. In that year we began to collect data that would aid in the selection of the most advantageous site. As the principal work of the telescope was to be astrometric and as the focal length was to be fairly great, the quality of the seeing was of first importance. I had the advantage of being able to confer with three colleagues (all now deceased) who had had actual experience with telescopes in southern latitudes, and I welcome this opportunity to record our indebtedness to them. The first of these was Sir David Gill, retired from the Cape Observatory and living in London in 1913. He emphasized the remarkable astronomical conditions to be found upon the high Veld in South Africa. This region includes most of the Orange Free State and of the Transvaal. His own attention had been called to this by Colonel (afterwards Sir) William Morris, who was in charge of the Geodetic Survey and who carried with him a good 5-inch refractor on his many journeys through the country. The second was Professor Solon I. Bailey of Harvard Observatory, who had much experience in South America, and who had visited South Africa for the purpose of testing sites in Cape Colony. The third was Professor W. J. Hussey of the University of Michigan, who had observed for several seasons at La Plata in South America and who, as expert agent of the Carnegie Institution, had visited many sites in Australia, New Zealand and California carrying with him a 9-inch refractor.

In addition to these conferences we had the benefit of correspondence with many persons, more especially with Dr. Innes and Mr. Wood of the Union Observatory at Johannesburg, and with Dr. Halm, then acting head of the Cape Observatory, in whose files there is a good deal of valuable information concerning the Veld.

To secure accurate information regarding New Zealand we borrowed from Amherst Observatory, through the kindness of Professor W. K. Green, an 8-inch telescope and mounting and this we sent to Auckland, near the northern end of the north island. We are greatly indebted to Mr. W. H. Hamer, Engineer to the Harbor Board, for making tests on the seeing through a period of several months in 1923 and 1924. The conclusion from these tests is that the conditions at Auckland are about on a par with those on the eastern seaboard of the United States, and that they are inferior to those in South Africa, which appeared to offer the best conditions of any known locality south of the equator.

Professor Hussey, it is true, had decided upon a site in Australia for the 27-inch visual refractor of the Michigan Observatory, and he had had the mounting made for that latitude. When, however, I told him what we had learned concerning South Africa and had sent him the documents that we had gathered, he journeyed to South Africa himself and observed for about half a year, with a 10-inch telescope, from the top of Naval Hill in Bloemfontein. As a result of these tests he changed his plans, and eventually the 27-inch telescope was installed upon Naval Hill.

Having decided upon the Veld in South Africa we still had a wide choice of sites. We received many invitations, including extraordinarily generous ones from the authorities at Bloemfontein, Pretoria and Johannesburg. We were especially impressed with the invitation from Dr. Innes and the Minister of Education to locate upon the grounds of the Union Observatory at Johannesburg. This offer seemed too generous for us to accept for it would have meant a good deal of discomfort and actual hindrance to the staff of that observatory. We gratefully accepted the offer of the University of the Witwatersrand in Johannesburg. The University reserved to our use a plot near the southeast corner of their grounds and agreed not to put up any buildings in that vicinity of such a character as to interfere with our work or to spoil the quality of the seeing. In addition they erected close to the observatory a handsome building to serve as a residence for the astronomer in charge and one assistant, with two office rooms, a dark room, etc. In the interval of more than ten years that has elapsed since the beginning of our relations with the University we have had many reasons to congratulate ourselves upon this arrangement. Principal William Thompson, and Sir William Dalrymple and Mr. Robert Nevin of the University Senate have put us greatly in their debt.

Several other observatories have since established branches in South Africa so that this locality is now well populated by large telescopes. It is interesting to set down the list of these institutions with the dates of their foundation, and a word of description concerning their principal instruments.

Cape Observatory, 1820, Cape Town, 24-inch photographic refractor, 6.9 meters focus.

Union Observatory, 1903, Johannesburg; 26.5-inch visual refractor installed in 1925.

Yale Telescope, 1925, Johannesburg, 26-inch photographic refractor, 11.0 meters focus.

Lamont-Hussey Observatory (Michigan), 1928, Bloemfontein, 27-inch visual refractor.

Harvard Observatory, 1929, near Bloemfontein, 60-inch reflector, and 24-inch camera of 3.4 meters focus.

Leiden Observatory, 1936, Johannesburg, two 16-inch cameras, 2 meters focus.

Oxford Observatory, 1938?, Pretoria, 73-inch reflector.

The climate of Johannesburg is a very pleasant one. The dry season extends from late May or early

June through August, that is through the mid-winter months. This season may not be absolutely dry as light rains usually fall in these months. Eighty-six per cent of the total rain-fall comes in the half year beginning with October 1.* The topography and the character of the soil are such that the rain runs off very quickly, so that even in mid-summer the air is dry. Snow and ice are rare phenomena; the temperature very seldom falls to freezing and when it does there is no precipitation. The nearly cloudless skies in the winter make for a pleasant climate, and little provision need be made against the cold. Most houses depend solely upon morning fires in two open fireplaces, central heating being unknown (except in a few houses built by Americans). This leaves the air very pure especially as there are no factories in Johannesburg or its vicinity. The ore-dumps at the mouths of the gold mines become dusty in the dry season, and this dust, as well as that from the dirt roads, can be unpleasant if a brisk wind comes up from the right direction; but this does not happen very often, and observations are not seriously hampered on these rare occasions since even under such circumstances the transparency remains good to within 15° or 20° of the horizon.

Before deciding definitely upon Johannesburg I had an opportunity, through the kindness of Dr. Innes, to observe with the 9-inch refractor of the Union Observatory for seven nights in February 1925. I thought the average seeing (steadiness and definition) were much superior to that at any site at which I had experience in the United States (New York, California, Williams Bay, Pittsburgh, New Haven). Various members of the Union Observatory staff observed with the same telescope on the same occasions and the consensus of their opinions was that these nights were no better than the general average at Johannesburg. After ten years my conclusion from reports received from our station and other sites is that the seeing at Johannesburg is not surpassed anywhere on the Veld, nor possibly at any other site north or south that has been well tested. There is doubtless a somewhat higher percentage of clear skies at Kimberley and perhaps also at Bloemfontein. But in my opinion whatever advantage these sites may have in this respect is more than outweighed by desirable qualities that Johannesburg has to present as an agreeable place to live. This last condition is one that has often been overlooked in choosing sites for observatories; but it is important, even if one wishes to exclude every other consideration than those that are purely scientific.

The astronomical coordinates of the station are:

Longitude east of Greenwich ..... $1^h 52^m 7^s = 28° 1' 45''$
Latitude ..... $- 26° 11' 14''$
Altitude ..... 1741 meters = 5712 feet.

The 26-inch Objective

This instrument was planned at a time when the prices of materials and labor were at their highest and when conditions in all industries were very unstable. In 1920 we asked Schott and Company of Jena, Germany, to quote on a pair of glass disks suitable for a 24-inch (610 mm) objective; their quotation was

* The following are the average monthly rainfalls at Johannesburg derived from the records of thirty-one years, 1904 to 1934:

	inches		inches		inches
January	5.55	May	0.76	September	0.90
February	4.27	June	0.18	October	2.46
March	3.81	July	0.42	November	4.78
April	1.49	August	0.42	December	4.65
				Total	29.69

$15,000, more than three times what was asked six years earlier for the pair of 30-inch disks that this same Company had supplied for Allegheny Observatory. In June 1921, however, Mr. Schott informed me that they could furnish a pair of disks suitable for a 25-inch objective for $4,200. This quotation was promptly accepted and the disks were delivered almost at once. They proved to be large enough to make a 26-inch objective and Mr. McDowell of Pittsburgh, to whom the optical work was entrusted, generously agreed to work them to this larger size at only a slight advance over the cost for a 25-inch.

The order to figure the disks was given to Mr. McDowell in April 1923, and the objective was completed by him in September. Mr. McDowell died suddenly a few weeks later on November 28. The Yale objective was thus the last large piece of work that came from his extraordinarily capable hands.*

A brief description of the objective follows: the flint, the outer component, is Shott's Silicate Flint O 118, the crown, the inner component, is Silicate Crown, O 3453. The two inner surfaces have the same curvature and are separated by 10 mm. Dr. Hastings, who computed this objective, as he had all the others made by Mr. McDowell in later years, usually puts these two surfaces nearly in contact, the separation being only the thickness of a postage stamp or about 0.1 mm. This obviates an optical ghost due to double reflections from these surfaces, but it entails the risk of moisture being drawn into this narrow space by capillary attraction and the temporary impairment of the objective in consequence. In a different climate the objective might be permanently injured in this way if this moisture should freeze before it could be removed. For this reason we specified a separation great enough to prevent capillary action. We have not suffered the least inconvenience by the presence of any ghosts.

The objective is figured for minimum focus at wave-length 4300. This is somewhat lower than the usual wave-length adopted for a photographic objective; it is justified by the excellent transparency of Johannesburg skies and by the unusually high transmission of the two disks for violet light. The focal distance of the objective, that is from the rear surface to the focal plane, is 10.91 meters. The focal length, that is the distance from the second Gaussian point to the focus, is 10.96 meters corresponding to the scale of the plates, used throughout this volume,

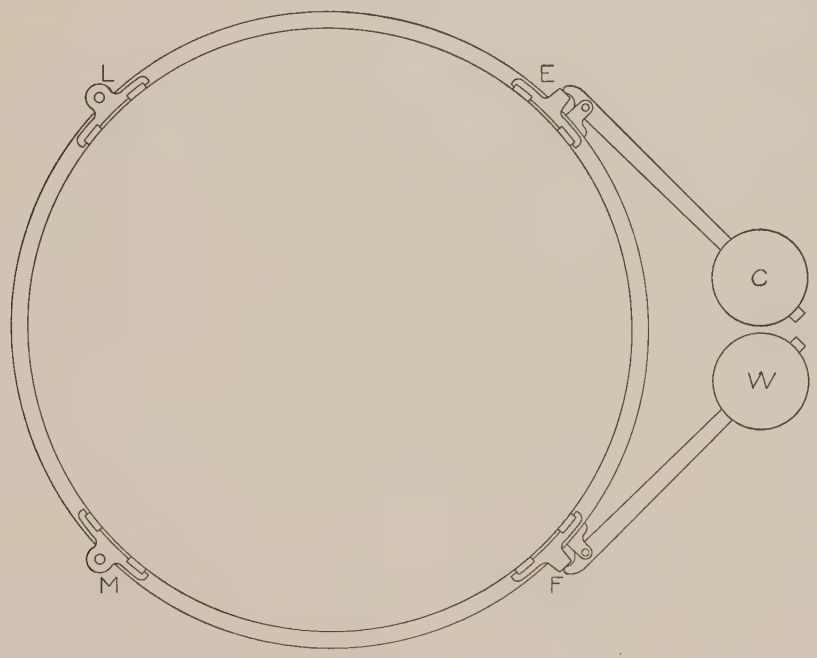
1 millimeter = 18″.82

The cell in which the two lenses are mounted is made up of two parts so that the flint may be removed from the telescope without disturbing the crown. This is done once a year at Johannesburg in order to clean the two inner surfaces. The outer surface of the flint is cleaned more frequently, as is the inner surface of the crown, access to which is obtained by means of two arm-holes in the telescope tube just below this surface.

Most cells are made of iron which of all the common metals has a coefficient of thermal expansion most nearly equal to that of glass. But even with iron the difference of these expansions introduces the danger of injury if sufficient play is not left between the glass and the cell. It is the practice of the opticians to leave 0.001 inch for every inch of aperture and this would amount in our case to 0.026 inch or two-thirds of a millimeter. In our telescope we guide by means of an auxilliary 10-inch visual objective of the same focal length as the 26-inch. The two objectives must remain relatively fixed; otherwise the rolling of either in its cell, due to the changed position as the telescope follows the apparent diurnal motion, will cause a displacement that will spoil the images. To prevent such rolling the 26-inch objective is mounted on a floating system as shown in the figure. L and M are two metal rockers whose pivots are permanently at-

* Perhaps no other individual has to his credit so fine a record of first-class objectives; among them, besides our 26-inch, are the 30-inch refractor at Allegheny, the 24-inch at Swarthmore, the 20-inch at the Chabot Observatory, the 72-inch reflector at Victoria and smaller reflectors and refractors at Allegheny, Philadelphia, Heidelberg, Detroit, Santiago and elsewhere.

tached to the cell and into which are let two cork pads that come into contact with the glass.* E and F are two similar rockers except that they are not attached to the cell but may move freely in the radial direction; they are pressed against the glass by means of levers and counterweights C, W. FW is nearly parallel to ME and EC is nearly parallel to LF. These levers and weights are such that the maximum



Mounting of Lenses in their Cells

pressure at E and F slightly exceeds the weight of the glass. In the position shown in the figure a little less than half the weight of the glass is supported at M and a little more than half at F; there is also a slight pressure of the glass on L and no pressure on E. If the objective is revolved 90° in the clock-wise direction its weight is shared equally by C and W; if revolved 90° in the opposite direction, the weight falls equally upon L and M while E and F are wholly out of operation.† Each of the 26-inch lenses is provided with this system of supports.

The 10-inch guiding objective might have been supported in the same way. But as this objective is so much lighter and as the matter of its optical performance is by no means as crucial, we keep the components in place by means of two fixed supports 90° apart with suitable springs opposite them. It is not feasible to use springs for large objectives, since they introduce pressures on a fixed support that must sometimes exceed twice the total weight of the objective; that is, in the case of our flint for example, more than 136 kilos, with even greater pressures in cold weather.

The writer is of opinion that some such floating device is advantageous on any objective, however small, whose optical performance must be unimpaired and invariable. Springs are always used on transit circles; a good example of their danger is given by Lewis Boss on page (14) of his introduction to the Albany Zone of the Astronomische Gesellschaft Catalogue.

* Neither the flint nor the crown lens comes anywhere into contact with metal, either on the edges or faces.

† The writer used this device for the 30-inch Allegheny telescope and this part of the description applies equally well to that objective.

With floating side-supports like those just described the difference between the thermal expansions of glass and metal becomes of no importance and we are at liberty to construct the cell of any metal we please. We have chosen an aluminum alloy known as No. 145 made by the Aluminum Company of America: this is practically as light as aluminum itself and has a tensile strength not much inferior to that of steel. We have thus reduced the weight of the cell by about sixty per cent and have appreciably decreased the flexure of the telescope tube.

Hartmann tests* of the 26-inch objective while it was still in Mr. McDowell's shops yielded 0.165 for the technical constant. This is satisfactorily small and shows that the figuring is very good. The focus for no zone differs from the mean by as much as one millimeter, but small as these deviations are they show a systematic trend toward greater focal lengths for the outer zones. From a study of the design of the objective I concluded that this trend could be largely annulled by a greater separation between the two lenses. An actual test proved this to be so: upon doubling the separation (20 mm instead of 10 mm) the trend was much decreased and the technical constant was reduced to 0.126. Doubtless a still wider separation would lead to a further improvement. When the objective was taken to South Africa provision was made for separating the two lenses by any amount greater than 10 mm. Tests carried out by Dr. Alden with photographs taken at 10 mm and at 20 mm showed no recognizable superiority of the latter even under the best observing conditions. Accordingly the original separation of 10 mm was adopted and the objective was used in this form from the beginning.

Rayleigh gives a criterion for the accuracy with which any objective can be focussed by visual tests. I have found by trials with many objectives that the same criterion holds closely for photographs as well. According to this criterion all images secured within $4\ \alpha^2\lambda$ of the focus of a theoretically perfect objective are equally good. In this expression λ is the wave-length that corresponds to minimum focal length and α is the ratio of focal length to aperture. For most large refractors, visual and photographic, the value of this expression comes out between 0.5 mm and 0.7 mm. In view of these considerations, and especially in the actual circumstances under which astronomers must work, all objectives for which the technical constant is less than 0.20 or 0.25 are practically perfect; and any reduction in the constant below these values must not be expected to give sensibly better images.

The Mounting.

The unstable conditions in the industrial world that we have already referred to were reflected in our attempts to secure a suitable mounting. We asked for estimates from a number of the best-known makers. The outstanding facts about these estimates were that they showed a surprising variation among themselves, and that they were all much higher than we had expected. After a good deal of careful thought we decided to build the telescope ourselves. For this purpose we temporarily enlarged our shops and added a number of machine-tools to our equipment. To make the working drawings we engaged the services of a young engineer, Mr. R. W. Sellew of Middletown, Connecticut. The assembly drawings were made at the Yale Observatory as the result of almost continuous conferences between Mr. Sellew and the writer extending over several months.

We did not attempt to make all the parts ourselves; the driving clock was made by George Klages' Sons of Pittsburgh; the driving worm and wheel by the Philadelphia Gear Company; the patterns by the

* We are indebted to Professor F. C. Jordan of the Allegheny Observatory for securing the plates for these tests.

Middlesex Pattern Works; and the great tubes for the polar axis and for the telescope itself by the Berlin Construction Company.

During the whole of the construction and assembly Mr. W. O'Connell (now assistant at Johannesburg) was foreman of the shop.

When all the parts were finished the telescope was completely assembled, through the courtesy of Professor S. W. Dudley, at the Mason Mechanical Laboratory of Yale University, under the supervision of Mr. Sellew. The Laboratory is admirably equipped for this purpose; at one end it has a large opening in the concrete floor that permitted access to the mounting on its under side, and a travelling crane operated by electric motors enabled us to handle even the heaviest parts with ease and safety.

Many colleagues at other institutions have inquired concerning our general experience with this method of constructing a large telescope at an observatory like ours. Though there are certain obvious disadvantages in the plan we have found it on the whole to be highly satisfactory. As compared with an equally good job turned out by an outside manufacturer the saving has been $30,000 or $47,000, depending upon which of the two most promising tenders we compare with the actual cost. Naturally these figures do not include overhead nor any allowance for the greater amount of time that the writer had to devote to the task. There have been other advantages in addition to this saving. In a large factory it is a difficult (and quite properly an expensive) operation to make changes in detail after the drawings have once been made. To do this under our own roof has been comparatively simple and we have availed ourselves of this privilege to good advantage. We have not overlooked the matter of giving the telescope a good appearance, but it is decidedly an astronomer's telescope rather than an instrument maker's telescope. No detail has been added that cannot be justified by the various kinds of work for which the telescope is intended, and nothing has been allowed to interfere with convenience and facility of operation.

The general design of the telescope is shown in Plate 2, which is a photograph from the east of a scale model. The massive polar axis is 8 meters (26 feet) long. It is supported upon its two strongly reinforced concrete piers by means of two large self-aligning SKF bearings. The telescope tube, 11 meters (36 feet) long, is mounted as close to the polar axis as possible. All but the steel central section is made of the same aluminum alloy (No. 145) that we used for the cell. This has two advantages over the usual steel tube. First, it makes the telescope easier to handle. Second, it is less expensive, for although the aluminum costs a good deal more a pound, and somewhat more a cubic foot than does steel, this is more than compensated by the reduction in the weights of the counterpoises and in the size and cost of many other parts, notably of the ball bearings. The tube is admirably rigid. Some fear was expressed concerning electrolytic action at the two surfaces where steel and aluminum join at the central section. These surfaces are kept well painted, and are examined from time to time by removing two or three of the bolts that join the two parts. No sign of deterioration has been noted in the eleven years that the telescope has been in operation.

The guiding is done by means of a ten-inch objective of the same focal length as the 26-inch; the guiding wires are attached to an arm projecting from the double-slide plate holder in the focal plane. The exposures are made by means of a focal-plane shutter.

The telescope is permanently clamped in right ascension by means of a brass shoe the pressure of which can be delicately adjusted through springs. The pressure is made great enough to ensure positive action of the driving clock, but does not prevent easy pointing of the telescope to new positions without unclamping.

The driving clock is of the conical pendulum type with automatic electric winding. It has an improvement, invented by George Klages, that permits the rate to be altered without stopping the mechanism.

The clock is attached to the west wall of the observatory building, being connected with the driving worm by means of a rigid steel rod; two sets of universal joints and a key-and-slot joint permit the relative position of clock and worm to vary in any direction by a considerable amount without affecting the driving. The worm-wheel is unusually large, having a diameter of six feet. Much thought was expended on making the telescope easy of manipulation. The handles for the slow motions in both directions and the clamp in declination are placed within convenient reach whether the observer is guiding or setting the telescope by means of the 4-inch finder. The rods for these operations are mounted throughout on ball or roller bearings.

Provision was made for installing motors to point the telescope, but these have been found unnecessary as the telescope is most conveniently moved by hand. If we were called upon to reverse the telescope often these motors would prove useful, but in all the work thus far the telescope has remained east of its piers.

The telescope is pointed with the help of coarse circles reading to about one-quarter of a degree. The accurate setting is then made by means of the Durchmusterung charts when necessary. But as our programmes are largely made up of bright stars, reference to these charts is seldom required. The telescope is not provided with accurate circles; in almost all modern telescopes the chief use of such circles is to adjust the polar axis, but this can be done just as accurately and conveniently by noting how the telescope follows a star in declination.*

The Observatory

There is hardly a field in which our knowledge of southern skies does not fall far short of that of the northern and the choice of programmes for a telescope in the southern hemisphere is as wide as the science itself. At the time our telescope was being constructed a number of others were being planned for southern latitudes, and most of these have since been erected or are by now (1936) definitely arranged for. As none of these is a long-focus photographic refractor, it seemed wisest to confine our activities at first to photographic astrometry, especially the determination of parallaxes and of proper motions. Observations for these purposes had best be confined to the meridian or at least to small hour-angles. For such observations, it is obvious that a great simplification may be made in the design of the observatory.

The type of building we have adopted is shown in the frontispiece. The length is 14.5 meters (47.5 feet) and the width 5.5 meters (18 feet). The floor is three meters lower than the ground level and the highest point of the roof is 13.5 meters (44 feet) above the floor. When the telescope is pointed to the zenith the guiding eye-piece is about one meter above the floor and the end of the dew-cap is about one meter below the roof.

Access to the sky is obtained by sliding the roof away in two halves, one of which moves to the north and the other to the south on iron trestles, the nature of which can be seen in the photograph. The opening thus formed enables pointings to be made from zenith distances 54° north to 54° south; that is, from declinations 28° north to 80° south. To enable us to reach still greater zenith distances the north and the south walls are provided with wide doors that open outward and permit observations to be made down to zenith distances 76° both to the north and to the south.

The walls of the observatory are made of an outer shell of artificial stone separated by a two-inch air space from an inner brick wall. This air space has numerous ventilating holes or slits permitting the escape of warm air from the two-inch space to the outside. The photograph shows three windows on the east side of the building. There are no corresponding windows on the west side so that the sun cannot shine

* See Popular Astronomy, Volume 19, page 559.

into the building in the afternoon. Entrance to the observatory is obtained by means of a door on the north side. As further protection against the heating of the telescope or of the building in the hours preceding observation the observatory was placed next to a double row of tall gum or eucalyptus trees only a few feet to the west. Although these trees were transplanted as saplings less than five years before this photograph was taken, the reader will notice that some of them are already higher than the observatory, that is more than ten meters.

The photograph shows two buttresses that reach to the top of the building. They start more than three meters below the ground level and are joined below the observatory with two similar buttresses on the west side. As they are made of strongly reinforced concrete they thus form two very rigid U-shaped cradles that are the chief support of the walls. They are strong enough to insure protection against the highest winds.

The advantages of this type of building are: (1) Economy in cost. (2) Very rapid and effective ventilation of the interior; as the roof opening is practically the same size as the ground plan of the building, any warm air that may have accumulated in the building during the afternoon flows out very quickly. (3) The protection against the wind is better than under an ordinary dome with a wide slit even if this is provided with a wind screen. The protection against an east or a west wind is always very complete. If there is considerable wind from the north or the south the observer need not open that half of the roof and may confine his work to the other half of the sky. (4) Economy of time in securing plates, since one operation, namely the frequent swinging of a dome from north to south azimuths, is thus obviated.

Of course the disadvantage of this construction is the limitation in hour-angle. The following table gives the limits in hour-angle for various declinations, the telescope being east of the pier:

Declination	East Limit	West Limit	Declination	East Limit	West Limit
+28°	0 min.	36 min.	−30°	30 min.	37 min.
+20	13	32	−40	34	41
+10	25	32	−50	41	50
0	25	32	−60	55	67
−10	26	32	−70	90	122
−20	27	34	−75	90	360
			−80	13	300

At about 18° north declination the eye-end of the telescope touches the southern pier in eastern hour-angles; our observing programme has thus far been confined to objects south of +10°.

The photograph shows at the right the handsome residence and office building that the station owes to the generosity of the University of the Witwatersrand. In addition to living quarters for the astronomer in charge it contains a room for an assistant (which has its own entrance), two office rooms, and a dark room. This building lies to the east of the observatory and a little to the north; at its nearest point it is 25 meters (82 feet) from the center of motion of the telescope. The University has recently erected a small residence for one of its officers about 50 meters (164 feet) north of the telescope, and a little to the east. With this exception there is no building anywhere near.

The construction of the observatory and its location serve to keep the interior about 5° Centigrade below the afternoon temperature outside. About half an hour before dark the observatory roof and the door by which the observatory is entered are opened wide, and thus the building is completely ventilated in a few minutes. At the same time the two arm-holes in the telescope tube, just below the objective, are opened. Into one of them is blown a stream of air by a small electric fan, thus rapidly emptying the tube of any warm air that has accumulated. This fan is operated at frequent intervals during the night; it is

on the same circuit that lights up the finding circles and thus is operated whenever the observer turns to a new object. This arrangement also makes it certain that the fan is not operating when exposures are made, since the observer must always turn off the light before he draws the dark slide. These precautions avoid, as similar ones had been found to do in the case of the Allegheny telescope, the temporary aberrations due to temperature gradients.*

The Parallax Observations

In most respects the procedure we have adopted is that indicated by experience with the Thaw Photographic Refractor of the Allegheny Observatory. In fact the parallax work at Johannesburg was intended to be an extension to southern skies, on as nearly the same basis as practicable, of the same work at Allegheny. Our observations cover declinations $+10°$ to $-80°$, while those at Allegheny go as far south as $-13°$; there is thus a common zone 23° wide, about one-fifth of the whole sky. In both cases I limited observations to stars whose visual magnitudes are given as 5.5 or brighter in the Draper Catalogue and in the Bright Star Catalogue, and whose spectra are not earlier than AO. To this list of about 1200, several hundred miscellaneous objects, chiefly of large proper motion, have been added; these are distinguishable from the first group by the fact that their magnitudes or other limits fall outside the specifications for this group.

In one important respect, but not one that need be expected to introduce a systematic difference between the two observatories, we have deviated from the Allegheny practice: instead of using a reversing prism each plate is reversed in the engine and is measured in both positions. We were induced to make this change chiefly through Miss France's paper in Astronomical Journal, No. 799.

About twenty plates were secured on each region, each with three exposures. Ordinarily four comparison stars were employed; in eighteen per cent of the present list three stars were used. In most cases the exposures are 60 seconds (they average about 70 seconds), sufficient to give well-blackened images of eleventh magnitude stars.

The observers are provided with no fewer than eighteen metal plate-holders which are all loaded in the afternoon or just before the morning parallax session. The rapidity with which the plates are obtained is worthy of note. A single observer can conveniently get ten to twelve plates an hour. As more than half of this time is used in actual exposing, only about two minutes is on the average required to select the next field, to point the telescope, change plate-holders and to make notes.

Of the 851 stars in the present list 399 were measured at Johannesburg and 452 at New Haven. The observers at the former station have been Alden, O'Connell, Whitworth, Goch and Womble; the six other names in the table of contents on page (1) apply to New Haven. Stars 59, 82, and 84 were measured by Mr. Kerrich at Johannesburg and are included in Mr. O'Connell's lists.

In order to make these results immediately available to astronomers the parallaxes themselves have been published in the Astronomical Journal in a series of papers each applying usually to forty-eight stars. It is certain that in every case the details will be required by future investigators especially with regard to the determination of relative proper motions and non-linear proper motions. To give these details in reasonably small space a tabular form of publication is here used. As the table of contents indicates, the volume is made up of nineteen papers or lists of parallaxes. The first page of each list gives (1) the current

* See Proceedings of the National Academy of Sciences, Volume 1, page 13.

Plate 2

number in this volume, (2) star's name, (3) position for 1900, (4) DM number,* (5) visual magnitude and spectrum, (6) total proper motion, (7) the relative parallax here derived and its probable error, (8) probable error corresponding to unit weight, that is, of a good or fair to good plate, (9) the relative proper motion in right ascension derived from these plates. In the first, second and fourth lists the last column was omitted; this datum is here supplied for these 146 stars:

Star		Star		Star		Star		Star		Star		Star	
1	+0″.212	22	−0″.170	43	+0″.027	64	−0″.110	85	+0″.013	120	+0″.191	141	−0″.079
2	+ 1.357	23	− .136	44	+ .023	65	− .151	86	+ .004	121	+ .003	142	− .011
3	− .070	24	+ .006	45	+ .085	66	+ .099	87	+ .002	122	+ .017	143	− .302
4	− .103	25	− .147	46	+ .120	67	+ .445	88	+ .100	123	− .008	144	− .191
5	+ .276	26	− .180	47	+ 3.936	68	+ .026	89	+ .006	124	− .001	145	− .010
6	+ .251	27	− .564	48	+ .243	69	− .035	90	− .081	125	− .022	146	− .051
7	− .197	28	− .547	49	+ .253	70	− .030	91	+ .042	126	− .011	147	− .005
8	− .163	29	− 3.767	50	− .003	71	− .016	92	+ .014	127	− .011	148	+ .031
9	+ .017	30	− 3.404	51	− .109	72	− .030	93	+ .086	128	− .052	149	+ 1.209
10	− 2.216	31	− 3.780	52	+ .082	73	− .019	94	− .066	129	− .054	150	− .056
11	− 2.205	32	+ .023	53	− .040	74	− .020	95	− .103	130	+ .023	151	− .012
12	+ .030	33	− .077	54	− .245	75	− .032	96	− .010	131	− .021	152	+ .029
13	− .002	34	− .095	55	+ .019	76	− .010	97	+ .164	132	− .028	153	− .004
14	− .149	35	− .020	56	− .049	77	+ .163	98	+ .065	133	− .148	154	+ .139
15	− .022	36	+ 1.078	57	− .036	78	− .435			134	+ .118	155	− .010
16	− .041	37	+ 1.072	58	+ .068	79	− .036	114	− .109	135	+ .086	156	− .020
17	− .096	38	− .054	59	+ .051	80	− .053	115	+ .414	136	+ .057	157	− .007
18	− .011	39	− .035	60	− .103	81	− .389	116	+ .388	137	− .004	158	+ .233
19	− .038	40	− .684	61	− 1.033	82	− .328	117	− .002	138	− .043	159	+ .016
20	− .158	41	+ .178	62	− .013	83	− .140	118	+ .158	139	− .002	160	− .095
21	− .112	42	+ .302	63	− .127	84	− .447	119	− .110	140	− .098	161	+ .009

The second page of each list gives the data relating to the comparison stars, their positions with respect to the parallax star, the dependence employed, and their mean photographic magnitude. Next to the last column gives the zero-epoch used, these being Julian days less 2,420,000. The last column gives a constant that was applied to the "plate solutions" in order to obviate dealing with large numbers.

The third page in each list gives the sums of the quantities that form the normal equations, including p_π, the calculated weight of the parallax, and the last three columns give the solutions of the normal equations expressed in millimeters.

The fourth and succeeding pages in each list give the data for the individual plates, (1) date in Julian days less 2,420,000, (2) hour-angle in minutes, (3) parallax factor, (4) plate-solution in units of .0001 mm, (5) assigned weight, (6) residual in seconds of arc.

The system of weights adopted is nearly the same as that used at Allegheny: a good plate or one judged fair to good, unit weight; a fair plate, 0.8; a poor plate, 0.5. These apply to plates having three images; very few plates have been used on which only two images were measured, and none at all with only one. A plate with two images was given 0.8 of the corresponding weight for three.

Among other notes at the end of the volume will be found on pages 221 to 224 the relative diameters of the images of parallax and comparison stars in each field, measured on two good plates. The latter is the sum of each of the four (or three) diameters multiplied by the corresponding dependence. The amount

* If the zone is north of that indicated by the degrees of declination a plus sign is prefixed, and a minus sign if it is to the south.

by which the brightnesses of the comparison stars differ among themselves is interesting and may be important; it is indicated by the dispersion (Dsp), obtained by subtracting the mean diameter of the comparison images from each in turn, multiplying this by the corresponding dependence, and adding the four (or three) products without regard to sign. Thus the three comparisons for Star 68 all show the same diameter, while the four for Star 28 differ widely from each other.

In the first two lists, Stars 1 to 50 by Dr. Alden and Stars 51 to 98 by Mr. O'Connell, six plates were rejected after measurement, and these cases are indicated in the notes at the end of the volume. These rejections were made on the writer's suggestion; in all six cases the residual exceeds five times the average probable error for the series. On considering the matter further I decided that this is not the wisest policy; after the second list and for all the remaining parallaxes in this volume only two plates have been rejected after measurement, and in both cases it is obvious that we are dealing with blunders: the three exposures on the plate for Star 767 that was taken on JD2,426,609 differ by 0″.47 and their mean gives the residual +0″.20; and the plate for Star 816 taken on JD2,424,536 gives a residual +0″.29. It was not feasible without long delay and much trouble to reexamine these two plates to discover the source of the two discrepancies.

The separate reduction of the three exposures on each plate has helped us to detect any blunders that have crept into the measures. In a few cases of outstanding discrepancies beyond this stage, we have remeasured a plate in the hope of discovering a blunder not revealed by the separate reduction, but this hope has never once been realized. In such cases we have always used the original measures and have disregarded their repetition.

FRANK SCHLESINGER

1936 October 15

Antl
α 342
η 340
θ 129
ι 106

Apds
α 139
β 143
γ 365

Aqar
34α 393
76δ 112
2ε 387
55ζ 435
55ξ 436
43θ 568
63κ 848
73λ 520
6μ 152
13ν 45
23ξ 390
57σ 157
71τ 96
59υ 158
90φ 161
92χ 757
91ψ¹ 398
105ω² 571
3 839
5 92
32 156
77 569
86 255
88 50
97 208
98 570
101 522

Aqil
53α 305
60β 43
55η 148
16λ 303
38μ 304
32ν 563
59ξ 703
12 828
19 196
22 510
23 654
26 513
36 198
37 514
69 427
70 249
71 429

Arae
β 648
ε² 504
ζ 503
η 366
λ 698
μ 749
π 748
σ 747

Cael
α 65
β 479
γ 451

Canc
17β 19

CMaj
9α 278
25δ 726
14θ 14
7ν² 174
8ν³ 673
5ξ² 13
16o¹ 104
19π 725
22σ 15
R 775

CMin
2ε 628
5η 674

Capr
5α¹ 44
40γ 846
49δ 205
34ζ 153
23θ 388
43κ 46
48λ 566
51μ 567
8ν 564
2ξ 382
11ρ 202
7σ 201
15υ 837
28φ 656
16ψ 838
18ω 151
24 251
29 843
33 389
36 154
42 391
46 252

Cari
ℓ 542

Cent
α¹ 31
α² 30
5θ 353
ξ¹ 182
τ 637
υ² 793
ψ 794
1 84
2 233

Prox 29

Ceti
92α 268
16β 306
86γ 8
83ε 313
55ζ 55
31η 307
45θ 4
8ι 663
96κ 665
78ν 266
65ξ¹ 528
73ξ² 265
72ρ 57
76σ 119
52τ 264
17φ¹ 53
19φ² 54
φ³ 3
2 399
6 51
7 114
9 99
13 115
20 574
37 262
40 526
46 620
48 806
56 527
66 477
79 714
94 120

Cham
γ 285
κ 586

Circ
α 740
ε 743
η 185

Colm
β 323
ε 535
η 101
κ 71
ν² 810
ξ 221
o 769
π² 670

CorA
β 195
δ 562
ε 375
λ 653
μ 608

Corv
1α 134
9β 589
7δ 26
8η 81
3 548

Crat
7α 78
12δ 345
27ζ 547
30η 80
13λ 784

Cruc
ε 636
η 635
θ¹ 133
ι 789

Dora
γ 667
δ 322
ζ 320
η² 172
θ 219
κ 578
λ 220
π² 72

Equl
10β 614
7δ 842
1ε 613

Erid
34γ 213
23δ 63
18ε 61
13ζ 576
3η 211
θ¹ 401
θ² 402
ι 762
42ξ 668
38o¹ 272
40o² 10
10ρ³ 478
11τ³ 212
50υ¹ 809
χ 446
61ω 533
p 5
4 267
15 121
20 530
21 577
28 448
36 765
43 214
47 532
53 719
54 166
58 66
60 122
64 68
68 100

Forn
α 764
β 59
γ² 575
ε 314
ζ 807
η³ 716
κ 118
λ² 312
π 311
ρ 624

Grus
δ² 756
ε 473
η 159
θ 160
λ 94
μ¹ 254
μ² 470
ν 472
π² 658
ρ 206

Herc
41 144
43 819

Horo
α 449
δ 319
ζ 622
ι 715
λ 210
μ 60
ν 664

Hyda
46γ 136
4δ 728
11ε 777
16ζ 227
ν 343
ξ 546
49π 464
39υ¹ 339
φ 493
χ¹ 25
45ψ 639
1 582
6 729
9 675
12 815
23 781
44 816
48 352
50 354

Hydi
β 258
γ 9
δ 56
ζ 58
ν 763

Indi
α 386
β 203
δ 518
ε 47
η 250
θ 657
ν 434
o 517

Leon
84τ 786
91υ 231
61 24

Leps
11α 579
9β 70
13γ 274
15δ 275
16η 580
18θ 171
5μ 768
17 455

Libr
8α¹ 596
9α² 797
38γ 554
43κ 361
39υ 186
16 688
23 644
36 32
37 359
49 362

Lupi
ζ 140
ν¹ 690
ν² 358
ξ 294
τ² 686
υ 799
3ψ¹ 501
ω 691
2 235

Mens
α 325
β 170
γ 321
η 123

Micr
α 565
γ 705
ε 707
ν 248

Mono
26α 74
5γ 103
22δ 73
29ζ 489
2 721
8 326
17 537
27 333
28 488

Musc
δ 181
ε 346
ι 183

Norm
γ¹ 87
γ² 364
δ 142
η 465
ι¹ 693

Octn
α 840
ν 845

Ophi
60β 38
1δ 35
2ε 694
35η 367
27κ 800
10λ 696
40ξ 188
39o 368
39o 369
49σ 602
12 297
21 466
23 237
30 238
36 298
41 239
43 189
44 370
45 558
51 241
70 41
72 301

Orio
58α 12
1π³ 67
2π² 168
17ρ 218
40φ² 770
16 217
21 480
27 534
29 69
38 452
49 536
51 771
52 669
75 773

Pavo
β 150
γ 93
δ 423
ε 832
ζ 193
η 559
μ² 611
o 110
π 191
σ 755
φ¹ 385
φ² 428
ω 467
SX 844

Pegs
8ε 204
26θ 847
22ν 432
49σ 659
11 155
55 113

Phoe
α 1
β 261
γ 760
δ 309
ε 759
ι 523
λ¹ 52
μ 711
π 619
ρ 162

Pict
β 124
γ 454
ζ 482
η¹ 169
η² 216
λ 167
Nova 327

Pisc
6γ 474
71ε 476
10θ 850
17ι 475
8κ 617
106ν 263
28ω 257
19 618
27 256
33 804
89 308

PscA
10θ 253
9ι 111
16λ 396
π 660
15τ 433

Pupp
7ξ 332
π 16
15ρ 283
4 125
9 17
11 75
12 581
18 490
19 334
20 18

Pyxi
β 541
γ 630
η 179
λ 21

Reti
α 165
δ 531
ζ¹ 315
ζ² 316
η 215
ι 317
κ 717

Sgtr
β² 377
10γ 146
19δ 372
20ε 822
38ζ 302
η 108
θ² 704
13μ 242
32ν¹ 374
35ν² 421
36ξ¹ 245
37ξ² 109
39o 376
41π 147
40τ 90
42ψ 609
58ω 754
3X 145
1 702
4 190
7 701
29 561
43 511
54 199
55 831
59 833
62 91

Scor
21α 296
ζ² 187
η 107
ξ¹ 33
ξ² 34
ι² 605
10ω² 502
18 363

Scul
γ 207
δ 209
ε 761
η 805
θ 445
κ¹ 662
μ 661

Scut
α 560
γ 192
ε 607
ζ 823
η 246

Serp
57ζ 507
27λ 236
53ν 505
55ξ 603
34ω 692
5 293
6 818
10 598
36 555
60 373

Taur
1o 164
10 666

Tele
ζ 651
η 197
κ 243
ξ 469
ρ 194

TrAu
ζ 647
θ 601
ι 745
κ 86

Tucn
α 95
β¹ 259
β² 260
γ 616
ζ 524
η 98
ι 713
κ² 116
π 573

Velr
λ 730
ψ 22
d 76
N 230

Virg
29γ 27
43δ 289
51θ 682
99ι 85
107μ 742
9o 734
93τ 594
105φ 796
26χ 638
16 788
21 348
32 790
38 591
49 350
55 462
57 463
61 291
69 83
76 684
78 792
84 738
90 184
110 643

Voln
α 127
δ 486

0^h

m	°	'	
0.2	- 6	16	804
1.1	-49	38	758
4.3	-28	33	662
4.3	-46	18	759
6.1	-35	42	445
6.2	-16	1	51
7.1	-18	30	710
9.3	- 8	20	572
9.6	-19	29	114
14.3	- 9	23	663
14.9	-65	28	524
16.0	-70	11	573
17.7	-12	46	99
20.5	-77	49	258
21.3	-42	51	1
23.0	-33	34	805
26.6	-49	21	52
27.0	-63	31	259
30.1	- 4	9	115
32.2	-25	19	2
35.7	-60	1	525
36.6	-46	38	711
38.6	-18	32	306
39.1	-11	9	53
41.2	-23	4	712
45.1	-11	11	54
46.1	-51	32	162
47.9	- 1	41	574
51.0	-11	49	3
57.8	+ 7	21	476
58.3	-46	56	163

1^h

m	°	'	
1.6	-47	15	261
3.4	-62	19	713
3.6	-10	43	307
9.4	- 8	28	262
11.9	- 2	48	526
12.4	-69	45	116
12.6	+ 3	5	308
19.0	- 8	42	4
20.3	-42	1	117
20.7	-15	7	620
24.0	-43	50	760
24.8	-22	8	806
27.1	-49	36	309
30.4	-30	25	400
36.0	-56	42	5
36.2	+ 4	59	263
39.4	-16	28	264
41.0	-25	33	761
46.5	-10	50	55
48.0	-22	56	310
52.0	-23	1	527
52.1	-52	6	446
56.8	-30	29	311

2^h

m	°	'	
7.7	+ 8	23	528
7.7	- 2	52	477
11.3	-10	17	529
18.0	-24	16	118
20.0	-69	7	56
21.1	-12	44	57
21.3	-15	47	621
22.1	-60	46	210
22.8	+ 8	1	265
27.3	-15	41	119
30.3	- 3	59	714
30.6	+ 5	9	266
32.8	-35	0	312
34.7	-12	18	313
36.7	-40	17	762
37.3	+ 2	57	7
37.5	-54	59	622
38.1	+ 2	49	8
39.2	-51	14	715
44.0	-68	2	58
44.9	-32	52	59
45.6	-28	22	575
46.6	-36	5	716
46.8	-63	13	664
51.1	-75	29	763
51.5	- 9	18	211
52.9	-24	16	267
54.5	-40	42	401
55.2	-25	41	807
57.1	+ 3	42	268
57.3	-28	28	314
58.0	-24	1	212
59.4	- 8	0	478

3^h

m	°	'	
1.3	-60	8	60
7.7	- 1	34	120
7.8	-29	23	764
11.0	- 9	11	576
13.9	-22	53	121
14.1	+ 3	0	665
15.6	-62	58	315
15.9	-43	27	269
16.0	-62	53	316
19.4	+ 8	41	164
20.1	- 5	42	623
23.3	-20	10	447
27.6	-63	17	717
28.2	- 9	48	61
31.7	-17	48	530
31.8	+ 0	5	666
33.4	-11	46	403
33.5	-40	36	62
34.1	- 5	57	577
38.5	-10	6	63
39.1	-37	38	64
43.4	-24	11	448
43.9	-30	28	624
44.9	-37	56	270

3^h

m	°	'	
45.7	-36	30	718
48.8	-74	33	9
53.4	-13	48	213
55.7	-24	18	765
57.2	-61	41	531
59.7	-61	22	317

4^h

m	°	'	
1.5	-27	56	808
6.3	-64	30	318
7.0	- 7	6	272
7.5	-42	15	319
10.7	- 7	49	10
10.7	-42	32	449
13.1	-62	43	165
13.4	-51	44	667
18.7	- 3	59	668
20.3	-34	15	214
20.8	-63	37	215
29.4	- 8	26	532
29.6	-29	58	809
33.6	-14	30	719
34.2	-12	19	625
36.1	-19	52	166
37.3	-42	3	65
38.5	-37	20	479
40.2	-50	40	167
42.8	-59	55	578
43.1	-17	7	66
44.4	+ 6	47	67
45.2	+ 8	44	168
45.7	-16	23	122
48.0	- 5	37	533
54.5	-16	32	450
55.3	-12	41	68
55.9	- 5	52	404
58.1	-26	25	766
58.1	-75	5	123

5^h

m	°	'	
0.2	-49	18	169
0.8	-35	37	451
2.4	-49	43	216
3.8	+ 9	42	217
3.8	- 4	35	100
3.8	-57	37	320
4.0	-71	27	170
5.3	-41	21	767
7.7	-44	59	405
8.1	+ 2	45	218
8.4	-16	19	768
13.8	-67	18	219
13.9	-35	0	769
14.0	+ 2	30	480
16.2	-21	20	481
16.9	-50	43	482
17.7	-24	52	483
19.1	- 7	54	69
19.4	- 0	59	534

5^h

m	°	'	
24.0	-20	50	70
24.9	-59	0	220
26.4	- 3	42	406
27.7	-35	33	535
28.3	-17	54	579
29.0	+ 3	42	452
29.5	-38	35	626
31.4	+ 9	14	770
32.4	-64	18	720
33.8	-28	45	810
34.0	- 7	16	536
35.8	-76	25	321
37.3	+ 1	26	771
40.3	-22	27	273
40.3	-22	29	274
42.6	+ 6	25	669
43.7	-46	38	453
44.6	-65	46	322
44.9	-51	6	124
47.0	-20	53	275
47.4	-35	48	323
48.0	-56	12	454
48.6	-52	8	772
49.8	+ 7	23	12
51.9	-14	11	580
52.1	-37	8	221
52.6	-52	40	811
53.3	-63	7	222
54.3	- 9	34	721
56.1	-42	49	101

6^h

m	°	'	
0.5	-16	29	455
1.6	-14	56	171
1.6	-45	2	276
1.8	-45	5	277
2.4	-23	6	102
4.8	-22	24	324
4.8	-42	8	670
6.1	-62	8	671
10.0	- 6	15	103
10.5	- 0	28	722
11.0	-65	34	172
11.6	+ 9	59	773
12.0	+ 5	8	774
13.0	-35	6	71
13.2	-16	47	627
13.2	-74	43	325
15.0	- 2	54	672
18.5	+ 4	39	326
22.1	+ 0	22	223
26.3	-69	38	72
27.4	-50	10	723
27.7	-56	47	724
28.9	-37	37	456
30.3	-36	9	173
30.9	-22	53	13
32.3	-19	10	174
33.5	-18	9	673

6^h

m	°	'	
34.0	-32	15	485
34.7	-62	32	327
36.0	-48	8	175
40.7	-16	35	278
41.9	+ 8	9	537
44.5	-51	9	812
49.5	-11	55	14
49.6	-28	24	538
50.0	-24	4	104
51.3	-20	1	725
57.7	-27	47	15
58.4	-51	16	224

7^h

m	°	'	
0.9	-42	11	328
0.9	-43	28	279
4.3	-26	14	726
6.8	- 0	20	73
9.0	-40	20	329
9.7	-46	35	330
10.5	-44	29	813
12.6	-27	42	457
13.6	-36	55	16
14.9	-16	12	775
16.9	-67	46	486
20.2	+ 9	28	628
20.9	-31	37	331
22.7	+ 7	9	674
24.8	-14	47	176
25.6	-22	49	487
29.2	-14	18	458
34.8	+ 5	28	281
36.5	- 9	19	74
40.3	-40	41	539
41.3	-14	19	125
41.9	-33	59	225
44.8	-24	40	727
45.1	-24	37	332
47.1	-13	38	17
52.6	-22	37	75
53.7	-30	4	177
54.7	- 3	24	333
54.8	-23	2	581
56.1	- 1	7	488
57.1	+ 2	37	282

8^h

m	°	'	
0.4	-32	24	226
3.3	-24	1	283
3.5	-44	58	629
3.6	- 2	42	489
6.0	-13	30	490
6.6	-12	38	334
8.1	-42	41	178
8.7	-15	29	18
10.5	-40	3	126
10.7	-49	54	540
11.1	+ 9	30	19
14.8	-36	21	335

8^h

m	°	'	
17.2	-65	18	814
19.6	- 3	26	582
20.7	- 3	35	776
20.7	-23	43	336
24.9	-52	45	583
29.0	-31	11	284
32.4	+ 6	3	728
33.6	-25	54	179
34.1	-42	38	105
35.3	-12	7	729
36.2	-34	57	541
37.1	-15	35	675
38.8	- 6	52	459
40.8	-42	17	76
41.5	+ 6	47	777
41.7	-13	11	815
43.1	+ 6	51	778
46.3	-27	20	630
46.3	-44	56	676
50.1	+ 6	20	227
50.5	-47	8	228
52.4	-36	44	779
55.5	-46	51	780
56.4	-40	52	229
56.9	-58	42	20

9^h

m	°	'	
0.7	-46	42	337
0.9	-66	0	127
4.3	-43	2	730
11.3	-55	9	631
11.7	- 5	56	781
11.7	-38	9	128
18.9	-28	24	21
22.7	-21	54	77
26.8	-40	2	22
28.2	-56	36	230
28.4	-40	12	782
37.6	-57	32	677
37.7	-23	28	338
39.7	-27	19	129
42.5	-62	3	542
46.7	-14	23	339
47.8	-46	5	543
49.7	-25	28	491
50.2	-18	32	584
54.6	-35	25	340

10^h

m	°	'	
2.2	-46	53	130
5.2	-12	19	783
5.2	-35	22	341
5.9	-65	20	544
10.5	-41	38	23
13.7	-60	50	131
15.9	-54	32	585
18.0	-41	9	492
19.1	-37	30	460
22.6	-30	34	342
23.7	-57	8	632
29.2	-23	14	816
33.7	-16	21	493
34.3	-78	5	285
34.9	-58	40	286
39.7	-60	3	180
44.7	-15	40	343
48.6	-19	36	731
49.4	-58	19	678
52.0	-36	36	106
54.9	-17	46	78
56.7	- 1	57	24

11^h

m	°	'	
0.5	-26	45	25
2.4	-61	53	79
2.7	-42	6	344
3.3	-27	43	633
3.9	-27	32	634
4.3	-58	26	545
4.4	-61	24	732
13.2	- 4	31	679
14.3	-14	14	345
18.4	-18	14	784
20.6	-35	31	785
22.8	+ 3	24	786
28.1	-31	18	546
31.8	- 0	16	231
39.7	-17	48	547
43.7	-26	12	132
46.6	-30	16	733
50.9	-16	36	80
57.9	-62	45	133
58.5	-41	52	787
59.5	-67	46	494
59.6	-75	58	586

12^h

m	°	'	
0.1	+ 9	17	734
1.7	-64	3	635
3.3	-24	10	134
5.9	-23	3	548
8.8	-45	10	287
12.2	-67	24	346
13.7	-54	35	587
15.3	+ 3	52	788
15.8	-13	1	232
16.0	-59	51	636
22.0	-58	26	680
24.7	-15	58	26
24.9	-12	50	347
26.1	-58	52	588
26.9	-15	38	81
28.6	- 8	54	348
29.1	-22	51	589
29.3	-44	7	681
32.2	-47	59	637
32.4	-26	35	461
34.1	- 7	27	638
36.6	- 0	54	27
37.1	-48	16	735
38.4	-37	9	349
39.8	-60	26	789
40.6	+ 8	13	790
45.3	-33	27	549
45.6	- 0	13	590
47.5	-48	24	736
47.9	-39	38	135
48.1	- 3	1	591
50.6	+ 3	56	289
55.4	-71	1	181
57.8	-48	59	182

13^h

m	°	'	
2.7	-10	12	350
3.7	-22	35	639
4.8	- 5	0	682
5.7	-42	50	495
6.5	-37	16	82
7.2	-31	20	550
8.8	-19	24	462
9.7	-10	50	817
10.5	-66	15	351
10.6	-19	25	463
12.8	-17	47	290
13.2	-17	45	291
13.5	-22	39	136
17.2	-74	22	183
17.3	-64	1	683
18.5	-63	58	791
20.3	-39	14	737
22.1	-15	27	83
23.3	-50	39	592
25.2	-38	53	137
27.7	- 9	39	684
29.1	+ 4	10	792
31.3	-25	59	551
38.0	+ 4	3	738
40.0	-32	32	84
40.3	-50	56	685
41.1	-35	45	593
41.4	-49	49	739
42.0	+ 6	51	640
42.5	+ 6	49	641
43.7	-33	57	233
45.6	-52	19	496
49.6	- 1	1	184
54.4	-24	31	352
55.5	-45	7	793
56.6	+ 2	2	594

14^h

m	°	'	
0.7	-26	12	464
0.8	-35	53	353
3.3	-52	58	234
5.4	-15	50	497
7.0	-26	47	354
9.1	- 5	29	355
10.8	- 5	31	85
12.5	-60	49	498
13.3	-25	22	552
14.5	-37	26	794
18.5	+ 8	54	795
19.1	-24	21	138
19.7	-44	56	686
22.8	-62	15	29
23.0	- 1	47	796
25.6	- 8	12	642
30.8	-45	42	553
31.7	-11	53	356
32.8	-60	25	30
34.4	-64	32	740
35.4	-78	37	139
36.2	-32	20	595
37.5	-34	45	741
37.8	- 5	13	742
45.2	-15	35	596
45.3	-15	38	797
46.6	-30	10	798
47.9	-59	42	687
51.6	-20	58	292
51.6	-20	58	407
52.0	- 3	56	688
56.4	-63	38	185
57.8	+ 2	29	643
58.8	-40	41	689

15^h

m	°	'	
4.7	-15	54	409
4.7	-15	59	408
5.1	-51	43	140
7.6	-24	56	644
8.8	- 0	58	410
8.8	- 3	26	357
9.2	-63	14	743
9.5	-41	7	645
11.7	-29	47	235
14.2	+ 2	9	293
14.2	- 7	21	411
15.1	-47	57	358
15.2	-47	34	690
15.9	+ 1	5	818
18.2	-39	21	799
18.9	-38	23	597
23.6	+ 2	11	598
28.5	-27	42	32
28.7	- 9	43	359
29.4	-44	4	499
29.9	-14	27	554
31.0	-27	48	186
31.3	-42	14	691
31.4	-52	2	500
33.4	-34	5	501
34.3	-44	20	360
36.1	-37	6	744
36.2	-19	21	361
41.6	+ 7	40	236
45.2	+ 2	30	692
45.6	-68	18	86
46.1	- 2	47	555
50.5	-33	40	294
52.7	-41	27	599
54.7	-16	14	362
55.4	-57	30	693
55.9	-48	57	465
57.3	-25	35	141
58.9	-11	6	33
59.4	-44	54	142

16^h

m	°	'	
1.5	-20	36	502
8.9	-53	34	646
9.1	- 3	26	35
9.5	-49	49	87
10.2	- 8	6	363
12.4	-49	55	364
13.0	- 4	27	694
13.2	-30	40	556
17.2	-38	58	600
17.7	-69	52	647
18.1	-78	40	365
18.7	-63	50	745
22.3	- 7	22	746
23.3	-16	13	296
23.5	+ 0	53	695
24.7	-12	25	412
25.9	+ 2	12	696
26.1	-65	17	601
28.8	-77	18	143
31.1	- 2	7	297
35.8	-17	33	557
36.6	-66	55	697
40.1	+ 6	17	144
41.0	+ 8	46	819
41.1	-58	52	366
46.3	+ 1	23	466
47.5	-42	11	187
49.2	- 6	0	237
49.6	- 8	8	413
50.1	- 8	9	414
50.3	-55	50	503
52.9	+ 9	32	800
55.2	-53	5	504
55.8	- 4	4	238
58.2	-28	26	88
59.8	- 4	54	415

17^h

m	°	'	
0.0	- 4	55	416
3.5	-44	26	801
4.6	-15	36	367
5.0	-43	6	107
9.2	-26	27	298
10.1	-26	24	300
11.5	- 0	20	239
11.5	-46	32	36

17^h

m	°	'	
11.9	-24	11	368
12.1	-34	53	37
12.1	-34	53	417
15.0	-21	0	188
15.2	-12	45	505
17.0	-55	26	648
17.1	-28	3	189
20.3	-24	5	370
21.0	-29	47	558
21.3	- 5	0	506
21.6	+ 4	14	602
23.7	+ 0	25	240
25.2	- 0	59	371
25.3	-23	53	241
28.2	-46	26	747
29.7	-38	34	802
29.9	-54	26	748
30.7	-42	30	803
31.9	-15	20	603
32.7	-49	21	698
35.9	-64	41	559
36.2	-51	47	749
38.5	+ 4	37	38
41.3	-27	48	145
43.1	-37	1	604
43.2	-40	3	605
46.3	-65	42	820
49.5	-44	19	606
50.7	-41	42	649
52.7	-30	15	699
52.8	+ 4	25	39
52.9	+ 4	25	40
53.5	+ 4	28	418
53.7	-23	48	190
55.2	- 3	41	507
56.7	-24	17	701
59.0	-63	40	191
59.4	-30	26	146

18^h

m	°	'	
0.4	+ 2	31	41
1.7	-28	28	508
2.6	+ 9	33	301
4.9	+ 3	6	821
5.6	-23	43	702
7.8	-21	5	242
10.9	-36	47	108
11.6	- 3	2	650
11.8	-27	5	89
14.6	-29	52	372
17.5	-34	26	822
18.2	- 8	59	823
19.3	-48	10	750
21.1	-49	7	651
23.5	-14	38	192
24.5	- 2	3	373
24.5	-33	3	824
24.7	- 1	53	419
25.4	-39	46	751
25.5	-18	58	825
25.6	-18	28	652
29.5	-11	3	752
29.8	- 8	19	560
31.4	-71	31	193
31.7	+ 9	3	753
32.4	-43	16	826
35.6	-64	58	827
36.9	-38	25	653
38.1	- 8	22	607
40.8	-40	31	608
43.7	-20	26	561
44.7	-52	13	243
45.0	-46	43	509
48.1	-22	52	374
48.5	-22	42	420
49.1	-22	48	421
49.2	-42	50	244
49.7	-60	20	467
51.4	-20	47	245
51.7	- 5	58	246
51.8	-21	14	109
52.0	-37	14	375
53.1	+ 5	48	468
56.3	- 5	53	828
56.3	-30	1	302
58.0	-20	35	829
58.4	-52	29	194
58.7	-21	53	376
59.3	-68	35	830

19^h

m	°	'	
0.7	-27	49	90
0.9	- 5	2	303
1.4	-40	39	562
3.2	-39	30	195
3.8	-21	11	147
4.1	+ 5	55	196
9.1	-45	38	247
9.4	-25	26	609
11.6	+ 4	40	510
11.8	-19	8	511
12.1	+ 5	3	512
13.3	-15	43	610
13.5	+ 0	54	654
14.8	-54	37	197
15.2	- 5	36	513
16.0	-44	59	377
21.4	+ 0	8	563
25.4	- 3	0	198
26.4	-28	13	378
29.2	+ 7	10	304
29.6	+ 4	21	379
29.6	-10	47	514
35.0	-16	31	199
36.8	-16	22	831
37.9	-15	42	515
45.1	-40	8	200
45.9	+ 8	36	305

19^h

m	°	'	
47.4	+ 0	45	148
48.3	-24	11	380
48.7	-59	10	655
49.0	-73	10	832
49.4	+ 8	12	703
49.7	-26	34	754
50.4	+ 6	9	43
50.8	-27	26	833
52.1	-67	13	611
53.3	-59	39	834
53.4	-34	58	704
53.9	-33	58	381
54.4	-10	13	422
56.5	-27	59	91
56.9	-38	13	516
58.0	-32	20	835
58.9	-66	26	423
59.7	-53	10	469

20^h

m	°	'	
4.6	-36	21	424
6.9	-12	55	382
7.8	-15	44	836
9.1	-27	20	149
12.1	-12	49	44
13.6	-19	26	201
14.4	-50	18	425
15.1	-13	4	564
18.2	+ 5	1	426
20.4	-37	44	383
23.2	-18	9	202
24.4	- 3	13	427
26.9	-10	12	384
27.0	-44	51	248
27.3	-60	55	385
30.5	-47	38	386
31.5	- 2	54	249
31.8	-60	53	428
33.2	- 1	27	429
34.4	-18	29	837
34.6	+ 4	37	430
36.0	-66	34	150
36.7	-52	17	250
39.8	-69	8	755
40.2	-25	38	838
42.3	- 9	52	387
42.5	- 5	24	839
43.7	-34	9	565
45.9	-27	18	151
46.9	- 5	53	92
47.0	-58	50	203
47.2	-40	11	612
47.3	- 9	22	152
52.6	-77	24	840
54.1	+ 3	55	613
55.2	-32	39	705
55.5	-32	55	706
58.9	-73	34	841

21^h

m	°	'	
0.3	-17	38	388
1.3	-25	24	251
4.0	-70	32	110
4.1	-11	47	45
9.6	+ 9	36	842
9.9	-21	4	656
10.2	-15	35	843
11.4	-39	15	431
11.9	-32	35	707
12.7	-53	52	657
17.9	+ 6	23	614
18.2	-65	49	93
18.5	-21	17	389
19.8	-69	56	844
21.0	-22	51	153
23.0	-22	15	154
30.4	-77	50	845
32.4	- 8	18	390
34.6	-17	7	846
36.1	-14	30	391
37.1	-19	19	46
39.0	-33	29	111
39.3	+ 9	25	204
39.7	- 9	32	252
41.2	-11	50	566
41.5	-16	35	205
41.8	-47	45	392
41.9	-31	22	253
42.2	+ 2	13	155
42.3	-70	6	517
47.8	-14	1	567
51.1	-55	28	518
55.7	-57	12	47
59.6	- 1	23	156

22^h

m	°	'	
0.1	-40	2	94
0.6	+ 4	34	432
0.6	- 0	48	393
4.2	- 8	2	394
4.3	-33	2	433
5.2	+ 5	42	847
8.5	-41	51	395
8.6	-28	16	396
9.6	-41	51	254
10.4	-42	7	470
11.6	- 8	17	568
11.7	-54	7	397
11.7	-60	45	95
16.0	-72	44	434
17.0	-46	26	658
18.3	-58	18	471
22.8	-39	38	472
23.7	- 0	32	435
23.8	-44	16	756
25.4	-11	11	157
29.2	-21	13	158
32.6	- 4	45	848
34.2	-13	8	48

22^h

m	°	'	
34.8	-31	10	849
37.7	-41	56	206
39.5	-54	2	159
39.8	-47	4	615
42.5	-51	51	473
42.7	- 4	45	437
44.3	-14	7	96
45.3	-39	41	519
47.3	+ 9	18	659
47.4	- 8	7	520
49.4	-16	21	112
49.5	-16	48	569
55.0	-23	4	439
58.0	-35	17	660
59.4	-36	26	440

23^h

m	°	'	
1.2	-44	4	160
1.3	-24	17	255
2.0	+ 8	52	113
4.1	-21	43	50
8.9	- 9	28	441
9.1	- 6	35	161
10.7	- 9	38	398
11.6	-58	47	616
11.7	- 8	16	757
12.0	+ 2	44	474
13.4	-33	5	207
17.4	-15	35	208
17.7	-20	39	570
17.8	-11	19	521
21.8	+ 0	42	617
22.9	+ 5	50	850
24.4	- 5	5	97
26.4	- 4	38	851
28.0	-21	28	522
29.7	-43	10	523
34.8	+ 5	5	475
35.4	-32	38	661
37.3	-16	0	708
37.5	-15	6	571
41.3	+ 2	56	618
43.7	-28	41	209
44.0	+ 1	52	443
49.4	-40	51	709
52.3	-64	51	98
53.6	- 4	7	256
53.7	-53	18	619
54.2	+ 6	19	257
58.6	-17	54	399
59.5	-37	51	444

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M Spect.	Total μ	Relative Parallax ± p.e.		p.e.1
		h m	°			"	"	"	"
1	κ Phoenicis	0 21.3	-42 51	116	2.44 Ko	0.447	+.027	±.009	±.030
2	BS 159	0 32.2	-25 19	225	5.71 Ko	1.389	+.056	7	23
3	φ^3 Ceti	0 51.0	-11 49	-162	5.49 Ko	0.022	-.007	4	14
4	θ Ceti	1 19.0	- 8 42	244	3.83 Ko	0.228	+.013	9	26
5	p Eridani	1 36.0	-56 42	329	6.03 G5	0.285	+.156	5	15
6	p Eridani	1 36.0	-56 42	329	6.00 G5	0.284	+.167	7	20
7	Comp. to γ Ceti	2 37.3	+ 2 57	418	10.2 Mb	0.220	+.030	5	16
8	γ Ceti	2 38.1	+ 2 49	422	3.58 A2	0.209	+.050	9	22
9	γ Hydri	3 48.8	-74 33	276	3.17 Ma	0.124	.000	8	25
10	o^2 Eridani A	4 10.7	- 7 49	780	4.48 G5	4.082	+.207	7	21
11	o^2 Eridani B	4 10.7	- 7 49	781	9.7 A	4.027	+.192	7	22
12	α Orionis	5 49.8	+ 7 23	1055	var Ma	0.032	-.005	7	27
13	ξ^2 Can. Maj.	6 30.9	-22 53	1458	4.54 Ao	0.016	+.020	8	24
14	θ Can. Maj.	6 49.5	-11 55	1681	4.25 K2	0.133	+.023	6	19
15	σ Can. Maj.	6 57.7	-27 47	3544	3.68 K5	0.007	+.019	9	30
16	π Puppis	7 13.6	-36 55	3489	2.74 K5	0.004	+.026	9	27
17	9 Puppis	7 47.1	-13 38	2267	5.34 Go	0.342	+.087	5	14
18	20 Puppis	8 8.7	-15 29	2324	5.05 G5	0.011	+.023	7	22
19	β Cancri	8 11.1	+ 9 30	1917	3.76 K2	0.072	+.036	6	20
20	BS 3598	8 57.0	-58 42	1327	5.17 Fo	0.326	+.051	5	15
21	λ Pyxidis	9 18.9	-28 24	7196	4.90 Ko	0.152	+.034	7	22
22	ψ Velorum	9 26.8	-40 2	+5580	3.64 F5	0.198	+.070	6	20
23	BS 4023	10 10.5	-41 38	5713	4.09 A2	0.157	+.031	6	16
24	61 Leonis	10 56.7	- 1 57	2471	4.97 Ma	0.041	+.027	8	24
25	χ' Hydrae	11 0.5	-26 45	8338	5.06 F5	0.202	+.036	7	21
26	δ Corvi	12 24.7	-15 58	3482	3.11 Ao	0.249	+.032	6	19
27	γ Virginis NP	12 36.6	- 0 54	2601	3.68 Fo	0.561	+.088	7	22
28	γ Virginis SF	12 36.6	- 0 54	2601	3.63 Fo	0.561	+.086	7	20
29	Prox. Cent.	14 22.8	-62 15		11. M	3.852	+.783	5	15
30	α Cent, Ft.	14 32.8	-60 25	5483	1.70 K5	3.679	+.747	9	27
31	α Cent, Br.	14 32.8	-60 25	5483	0.33 Go	3.679	+.762	9	28
32	36 Librae	15 28.5	-27 42	10443	5.19 Ko	0.045	+.005	5	17
33	ζ^1 Scorp, Mean	15 58.9	-11 6	+4237	4.16 F8		+.025	4	14
34	ζ^2 Scorpii	15 58.9	-11 6	+4237	7.2 G7	0.077	+.024	7	23
35	δ Ophiuchi	16 9.1	- 3 26	3903	3.03 Ma	0.159	+.026	6	20
36	BS 6416	17 11.5	-46 32	11370	5.58 Ko	0.970	+.133	4	15
37	BS 6426	17 12.1	-34 53	11626	5.89 K2	1.195	+.139	8	25
38	β Ophiuchi	17 38.5	+ 4 37	3489	2.94 Ko	0.157	+.040	7	23
39	Anon.	17 52.8	+ 4 25		13.3		+.008	7	18
40	Barnard's	17 52.9	+ 4 25		9.7 Mb	10.30	+.555	5	17
41	70 Oph. A	18 0.4	+ 2 31	3482	4.28 Ko	1.131	+.214	8	25
42	70 Oph. B	18 0.4	+ 2 31	3482	5.98 K5	1.131	+.204	11	32
43	β Aquilae	19 50.4	+ 6 9	4357	3.90 Ko	0.485	+.082	6	19
44	α' Capric.	20 12.1	-12 49	5683	4.55 Gop	0.019	+.004	7	21
45	ν Aquarii	21 4.1	-11 47	5538	4.52 Ko	0.097	+.026	8	24
46	κ Capric.	21 37.1	-19 19	6152	4.82 G5	0.144	+.037	8	25
47	ε Indi	21 55.7	-57 12	10015	4.74 K5	4.696	+.286	4	14
48	Boss 5841 NP	22 34.2	-13 8	6235	8.9 G5	0.307	+.042	8	23
49	Boss 5841 SF	22 34.2	-13 8	6235	8.8 G5	0.307	+.057	9	27
50	88 Aquarii	23 4.1	-21 43	6368	3.80 Ko	0.060	+.005	7	23

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
1	-50	-40	.220	-44	+28	.079	+8	-8	.525	+59	+63	.176	11.0	4850	.0000
2	-60	-21	.237	-52	+28	.358	+80	-53	.163	+82	+14	.242	10.5	4800	-700
3	-25	+30	.509	+4	-51	.198	+41	-17	.293				10.0	4900	-300
4	-57	+26	.146	-36	-7	.181	+20	+47	.369	+24	-65	.304	12.3	4900	+600
5	-69	-15	.247	-38	+63	.258	+42	-14	.250	+67	-37	.245	11.0	4900	+1200
6	-69	-15	.247	-38	+63	.258	+42	-14	.250	+67	-37	.245	11.0	4900	-800
7	-41	-10	.171	-33	+20	.183	+12	-37	.282	+26	+23	.364	11.7	4900	-300
8	-24	-10	.248	-10	+49	.198	+5	-50	.306	+25	+32	.248	11.1	4900	0
9	-24	+70	.444	-21	-40	.231	+48	-67	.325				10.8	4900	0
10	-39	+45	.221	-18	-49	.379	+31	+5	.252	+56	+54	.148	10.6	4900	+7500
11	-43	+47	.170	-22	-47	.379	+27	+6	.308	+52	+55	.143	11.0	4900	-400
12	-82	-55	.281	-53	+58	.188	+46	+65	.214	+74	-30	.317	11.4	4900	0
13	-64	-28	.232	-47	+14	.285	+43	-27	.216	+71	+31	.267	10.5	4800	0
14	-31	+27	.352	-8	-18	.260	+13	-56	.169	+50	+20	.219	10.3	4800	-700
15	-51	+22	.296	-46	-27	.240	+34	-65	.209	+75	+53	.255	10.4	4900	+800
16	-80	+49	.198	-14	-55	.228	+8	-38	.253	+54	+39	.321	9.9	4800	+200
17	-53	+25	.356	-2	-35	.245	+49	0	.399				9.9	4850	+300
18	-66	+49	.234	-37	-34	.274	+42	-49	.261	+65	+45	.231	9.6	5000	-200
19	-83	+63	.251	+14	-52	.278	+19	-41	.249	+56	+40	.222	10.4	5000	+300
20	-38	+55	.218	-11	-35	.423	+19	-10	.239	+70	+43	.120	10.7	4900	-600
21	-37	+67	.247	-21	-66	.318	+24	+42	.190	+46	-15	.245	11.3	4850	-300
22	-45	+11	.244	-32	-17	.311	+27	+37	.196	+62	-18	.249	10.4	5000	-600
23	-52	+40	.251	-17	-45	.317	+23	+44	.194	+59	-18	.238	10.9	4900	0
24	-65	-30	.327	-51	+45	.202	+63	-5	.288	+74	+13	.183	11.1	5000	-200
25	-46	+1	.265	-19	-39	.455	+74	+63	.280				10.0	4900	-100
26	-80	-27	.166	-37	+23	.382	+52	+6	.313	+80	-45	.139	10.6	4900	-500
27	-71	-47	.237	-25	-1	.174	+1	-13	.352	+89	+68	.237	11.5	4900	+1600
28	-71	-47	.237	-25	-1	.174	+1	-13	.352	+89	+68	.237	11.4	4900	-400
29	-47	+1	.177	-12	-14	.250	+5	+14	.233	+29	0	.340	13.0	4950	-200
30	-48	+55	.264	-22	-63	.199	-14	-57	.235	+66	+38	.302	12.0	4950	-1000
31	-83	-22	.308	-63	+58	.180	+56	+27	.188	+81	-27	.324	10.0	4950	-700
32	-77	+38	.160	-9	-13	.294	+7	-16	.354	+64	+18	.192	10.0	5100	-300
33	-44	+1	.424	+32	+29	.361	+33	-51	.215				10.6	4950	0
34	-27	+13	.327	+7	-14	.265	+13	-31	.265	+25	+54	.143	12.3	4950	+300
35	-61	-49	.236	-46	+18	.182	+31	+69	.258	+46	-29	.324	11.1	4900	0
36	-50	+4	.421	+5	-35	.202	+53	+14	.377				10.8	4900	-800
37	-69	-49	.193	-37	+44	.398	+43	-41	.133	+81	-5	.276	11.8	4900	-600
38	-62	-29	.158	-32	+49	.323	+22	-44	.172	+46	-11	.347	10.2	5100	-200
39	-17	+1	.155	-11	-3	.155	+1	-17	.250	+10	+11	.440	13.0	5000	-100
40	-54	-35	.249	0	+42	.300	+3	-45	.200	+51	+20	.251	11.0	5000	-300
41	-43	+38	.265	-34	+9	.253	+38	-58	.227	+44	+5	.255	11.6	4900	-100
42	-43	+38	.265	-34	+10	.253	+38	-58	.227	+44	+6	.255	11.2	4900	-2800
43	-78	+32	.200	-52	-29	.250	+27	+36	.245	+72	-27	.305	10.9	5000	-700
44	-56	+41	.202	-16	-18	.332	+22	-15	.302	+60	+13	.164	10.8	5000	-100
45	-79	-26	.312	-1	-45	.160	+19	-29	.180	+62	+59	.348	10.8	4800	+200
46	-72	+34	.348	+19	-59	.398	+68	+46	.254				11.1	4800	0
47	-31	-13	.370	+8	-22	.302	+23	+40	.183	+30	+26	.145	12.7	4800	-1500
48	-80	+11	.330	-15	-56	.143	+54	+8	.527				12.0	5000	+1100
49	-80	+11	.330	-15	-56	.143	+54	+8	.527				11.9	5000	-500
50	-76	-47	.226	-22	+59	.141	+10	-35	.389	+68	+66	.244	11.1	4900	-200

No.	p	p·t	p·t·t	p·P	p·P·t	p·P·P	p_π	p·m	p·t·m	p·P·m	c	μ	π
								mm	mm	mm	mm	mm	mm
1	15.2	+ 5.49	110.0	− 0.31	− 1.51	10.19	10.16	+ .3609	+ .4614	+ .0029	+ .02266	+ .00308	+ .00144
2	16.0	+ 17.70	119.9	+ 1.19	− 1.90	11.23	11.04	+ 731	+ 454	+ 393	+ 464	+ 1974	+ 296
3	14.7	− 4.27	92.6	+ 0.84	− 1.09	10.15	10.09	+ 522	− 1081	+ 3	+ 328	− 102	− 36
4	12.6	+ 0.06	84.1	+ 1.47	− 2.66	8.60	8.35	+ 108	− 1282	+ 113	+ 79	− 150	+ 71
5	13.0	+ 4.65	103.9	+ 1.51	− 1.96	9.25	8.57	− 2106	+ 2931	+ 364	− 1898	+ 401	+ 828
6	13.0	+ 4.65	103.9	+ 1.51	− 1.96	9.25	7.61	+ 4290	+ 4887	+ 1180	+ 3037	+ 365	+ 888
7	14.5	+ 4.72	94.2	− 0.09	+ 0.13	9.56	9.54	+ 759	− 2405	+ 144	+ 617	− 287	+ 161
8	8.3	+ 3.68	54.2	+ 0.04	− 0.46	5.43	5.45	+ 712	− 942	+ 159	+ 958	− 237	+ 266
9	14.2	+ 5.55	92.7	+ 1.52	+ 5.07	9.02	8.64	+ 1177	+ 682	+ 138	+ 818	+ 24	+ 2
10	13.5	+ 0.91	88.2	+ 0.50	+ 2.35	9.35	9.27	− 739	+ 196	+ 50	− 552	− 3224	+ 1077
11	15.5	+ 2.88	103.8	+ 1.45	+ 3.83	10.64	10.39	+ 618	+ 553	+ 92	+ 389	− 3208	+ 1019
12	17.2	+ 10.14	131.0	− 1.88	+ 1.61	11.70	10.52	− 3114	− 1455	+ 322	− 1920	+ 44	− 28
13	12.6	+ 1.12	80.8	+ 0.95	+ 5.47	9.53	9.10	− 816	− 36	+ 37	− 655	− 2	+ 106
14	14.6	+ 4.50	90.2	+ 0.56	+ 10.23	10.49	9.33	+ 1546	− 1325	− 31	+ 1121	− 216	+ 122
15	15.8	− 0.02	129.3	− 2.96	+ 3.59	11.94	11.29	− 581	− 368	+ 213	− 349	− 31	+ 101
16	14.7	+ 4.25	90.4	− 0.75	+ 12.70	10.71	8.80	− 1235	− 713	+ 133	− 816	− 60	+ 139
17	14.8	+ 4.07	95.0	− 0.23	+ 9.86	10.55	9.50	− 1756	− 1334	+ 378	− 1140	− 139	+ 463
18	15.9	− 2.78	110.0	− 2.69	+ 6.81	11.52	10.69	+ 547	− 201	+ 31	+ 362	− 17	+ 122
19	16.3	+ 2.05	122.4	− 4.92	+ 2.83	11.79	10.21	− 397	− 667	+ 300	− 179	− 56	+ 193
20	14.3	− 10.74	101.4	− 0.92	+ 6.15	9.64	9.27	+ 665	− 2491	+ 94	+ 309	− 229	+ 271
21	15.3	+ 0.67	100.2	− 0.03	+ 6.19	10.85	10.47	+ 826	− 1491	+ 94	+ 548	− 164	+ 181
22	17.2	+ 0.54	143.5	− 3.83	− 0.04	12.62	11.77	+ 405	− 3531	+ 346	+ 326	− 247	+ 372
23	12.8	− 7.08	85.3	− 0.70	+ 2.44	8.24	8.15	+ 584	− 1904	+ 64	+ 356	− 198	+ 167
24	12.6	+ 4.47	110.5	− 3.51	+ 0.68	8.79	7.82	+ 712	+ 377	− 84	+ 602	+ 9	+ 142
25	13.9	− 1.41	99.1	− 1.28	+ 4.41	9.37	9.06	− 272	− 2013	+ 108	− 200	− 214	+ 189
26	13.1	+ 3.92	77.9	− 0.23	+ 2.92	9.28	9.16	− 592	− 2134	+ 91	− 370	− 262	+ 171
27	13.3	− 1.05	85.2	− 0.93	+ 4.64	9.64	9.33	− 182	− 6755	+ 84	− 169	− 820	+ 465
28	13.3	− 1.05	85.2	− 0.93	+ 4.64	9.64	9.33	+ 42	− 6571	+ 68	0	− 796	+ 454
29	13.9	− 0.30	87.8	− 0.07	+ 3.20	9.02	8.90	+ 995	+ 200	+ 146	+ 2717	− 5481	+ 4161
30	15.0	− 5.90	81.0	− 0.32	+ 3.60	9.91	9.75	+ 143	+ 315	− 17	+ 10114	− 4951	+ 3969
31	15.0	− 3.48	84.0	− 0.61	+ 5.03	10.07	9.76	+ 68	− 4146	− 199	− 69	− 5500	+ 4048
32	14.5	− 0.40	107.8	− 2.55	+ 3.05	11.31	10.78	+ 1221	+ 327	− 178	+ 848	+ 33	+ 28
33	13.7	− 1.87	95.1	+ 0.36	+ 4.73	10.53	10.28	+ 1235	− 1167	+ 118	+ 882	− 112	+ 132
34	12.8	− 0.64	92.5	+ 1.21	+ 2.86	9.82	9.62	+ 23	− 1247	+ 88	− 2	− 139	+ 130
35	13.5	+ 6.13	102.4	+ 1.58	+ 4.95	10.79	10.43	+ 565	+ 30	+ 199	+ 416	− 29	+ 137
36	14.2	+ 2.53	97.0	+ 1.25	− 0.06	12.06	11.95	+ 367	+ 697	+ 873	+ 185	+ 1568	+ 705
37	13.5	+ 3.25	95.9	+ 1.19	+ 0.21	10.51	10.41	+ 652	+ 713	+ 828	+ 404	+ 1556	+ 741
38	14.7	+ 4.83	103.3	− 3.12	+ 1.72	11.71	10.98	+ 329	− 632	+ 143	+ 295	− 78	+ 212
39	8.6	+ 0.84	59.4	+ 2.84	+ 2.48	6.98	5.96	+ 341	− 259	+ 128	+ 387	− 51	+ 44
40	16.2	+ 0.02	135.5	+ 1.76	− 0.25	13.29	13.10	+ 138	−13497	+ 231	+ 70	− 996	+ 2947
41	11.8	− 0.08	81.5	+ 1.75	+ 0.96	9.29	9.02	− 243	+ 2129	+ 112	− 225	+ 259	+ 1136
42	12.1	− 1.71	83.0	+ 2.07	− 0.74	9.69	9.34	− 15	+ 3631	+ 57	+ 35	+ 439	+ 1086
43	13.0	+ 0.91	86.1	+ 1.68	+ 2.58	10.65	10.36	+ 322	+ 480	+ 507	+ 188	+ 41	+ 436
44	12.8	− 2.54	80.3	+ 3.23	+ 1.86	10.71	9.81	+ 755	+ 120	+ 220	+ 591	+ 33	+ 22
45	11.8	+ 3.98	72.1	+ 0.80	+ 2.07	9.39	9.29	− 516	+ 724	+ 114	− 488	+ 123	+ 136
46	12.4	− 1.16	89.5	− 0.08	+ 5.42	9.78	9.45	− 415	+ 1701	+ 290	− 318	+ 174	+ 197
47	14.4	+ 2.60	93.5	− 0.68	+ 0.21	10.66	10.63	+ 121	+ 318	+ 1609	+ 151	+ 5726	+ 1518
48	12.4	+ 3.00	90.0	+ 2.43	− 0.33	9.45	8.36	− 75	+ 3117	+ 215	− 166	+ 354	+ 221
49	12.4	+ 3.00	90.0	+ 2.43	− 0.33	9.45	8.97	+ 570	+ 3395	+ 351	+ 311	+ 368	+ 304
50	14.1	− 6.84	93.2	+ 1.07	+ 0.12	10.41	10.33	− 154	+ 42	+ 14	− 113	− 4	+ 25

(1) α Phoe $0^h21^m.3$ $-42°51'$

J.D.	h	P	m	p	v
	min				
4460	− 8	−.54	+ 68	0.6	−".056
4469	+ 3	−.65	+ 70	0.4	− 58
4471	+ 2	−.67	+ 107	0.7	+ 15
4486	+ 10	−.81	+ 86	1.0	− 32
4696	0	+.93	+ 187	1.0	− 11
4704	+ 3	+.92	+ 152	0.8	− 79
4710	+ 1	+.90	+ 223	0.7	+ 49
4714	0	+.88	+ 229	0.9	+ 58
4834	0	−.65	+ 261	0.7	+ 92
4849	+ 1	−.79	+ 218	0.7	+ 4
4850	+ 7	−.80	+ 274	0.7	+ 111
5058	− 3	+.93	+ 297	0.6	− 13
5059	+ 2	+.93	+ 317	0.7	+ 24
5066	+ 1	+.93	+ 299	1.0	− 15
5081	+ 6	+.88	+ 307	0.9	− 6
5204	+ 2	−.70	+ 293	0.5	− 62
5207	+ 1	−.73	+ 330	1.0	+ 8
5212	+ 4	−.77	+ 324	1.0	− 6
5214	+ 1	−.79	+ 314	0.9	− 26
5221	+ 4	−.84	+ 306	0.4	− 41

(2) BS 159 $0^h32^m.2$ $-25°19'$

J.D.	h	P	m	p	v
	min				
4469	+ 6	−.62	+ 49	0.6	+".023
4484	+ 2	−.76	+ 32	0.8	+ 2
4485	+ 7	−.78	+ 12	0.6	− 36
4696	+ 1	+.94	+ 77	1.0	− 2
4698	+ 2	+.94	+ 78	1.0	+ 2
4704	− 1	+.93	+ 53	1.0	− 45
4711	0	+.91	+ 75	0.8	0
4840	+ 4	−.68	+ 52	0.7	+ 49
4844	− 3	−.72	+ 53	0.7	+ 55
4849	0	−.77	+ 13	0.9	− 19
5059	− 5	+.93	+ 95	1.0	+ 53
5063	+ 7	+.94	+ 58	1.0	− 19
5070	0	+.93	+ 75	1.0	+ 15
5076	+ 5	+.91	+ 61	1.0	− 11
5207	+ 3	−.70	− 17	1.0	− 58
5212	− 1	−.75	+ 35	1.1	+ 39
5214	0	−.76	+ 19	0.9	+ 11
5222	0	−.82	− 12	0.9	− 45

(3) φ^3 Ceti $0^h51^m.0$ $-11°49'$

J.D.	h	P	m	p	v
	min				
4483	+ 7	−.71	+ 79	0.4	".000
4484	+ 7	−.72	+ 73	0.7	− 9
4485	+ 6	−.74	+ 73	0.4	− 9
4486	+ 2	−.75	+ 98	0.8	+ 41
4698	− 8	+.94	+ 23	0.6	− 53
4704	− 1	+.94	+ 56	0.9	+ 11
4705	− 1	+.94	+ 54	0.6	+ 8
4710	+ 3	+.93	+ 45	0.9	− 8
4711	− 2	+.93	+ 47	0.9	− 2
4840	+ 2	−.63	+ 40	0.9	− 2
4849	− 3	−.73	+ 20	0.9	− 39
4850	− 1	−.73	+ 53	0.8	+ 23
5066	0	+.94	+ 30	0.7	+ 32
5068	+ 1	+.94	+ 16	0.6	+ 8
5070	+ 1	+.94	− 2	0.8	− 28
5071	0	+.94	+ 22	0.9	+ 17
5206	+ 2	−.64	+ 5	0.7	+ 2
5212	+ 1	−.70	0	0.7	− 8
5221	+ 5	−.79	+ 4	0.9	+ 4
5225	+ 3	−.82	+ 1	0.6	− 4

(4) θ Ceti $1^h19^m.0$ $-8°42'$

J.D.	h	P	m	p	v
	min				
4484	+ 4	−.64	+ 71	0.3	+".009
4485	+ 1	−.66	+ 101	0.4	+ 68
4495	0	−.77	+ 32	0.7	− 60
4496	− 2	−.78	+ 88	0.4	+ 47
4710	− 3	+.94	− 5	0.6	− 92
4711	+ 4	+.94	+ 35	0.7	− 15
4715	− 4	+.94	+ 52	1.0	+ 17
4716	− 5	+.94	+ 48	0.8	+ 9
4724	− 5	+.92	+ 77	0.6	+ 70
4850	− 2	−.66	− 18	0.8	− 53
4866	+ 2	−.81	+ 33	0.6	+ 49
5076	− 3	+.94	− 26	0.6	− 28
5091	− 1	+.91	− 19	0.5	− 8
5105	+ 3	+.84	+ 10	0.7	+ 51
5106	+ 5	+.83	+ 6	0.5	+ 43
5108	− 3	+.80	− 54	0.5	− 70
5212	0	−.62	− 68	0.8	− 47
5221	0	−.72	− 33	0.7	+ 23
5227	+ 7	−.78	− 24	0.6	+ 43
5229	+ 6	−.79	− 49	0.8	− 2

(5) p Erid $1^h36^m.0$ $-56°42'$

J.D.	h	P	m	p	v
	min				
4497	− 8	−.75	− 408	0.7	+".011
4499	− 6	−.76	− 438	0.6	− 45
4503	− 5	−.80	− 413	0.6	+ 4
4710	− 4	+.95	− 211	0.6	− 47
4711	0	+.95	− 175	0.8	+ 23
4713	0	+.95	− 177	0.8	+ 17
4716	− 4	+.95	− 169	1.0	+ 30
5081	+ 3	+.95	− 34	1.0	+ 8
5084	− 2	+.95	− 45	0.7	− 17
5105	+ 3	+.87	− 48	1.0	− 23
5108	+ 3	+.85	− 41	0.8	− 8
5221	0	−.68	− 112	1.2	+ 9
5225	+ 3	−.72	− 105	1.0	+ 28
5227	+ 5	−.74	− 123	1.0	− 8
5234	+ 2	−.80	− 131	0.8	− 17

(6) p Erid $1^h36^m.0$ $-56°42'$

J.D.	h	P	m	p	v
	min				
4497	− 8	−.75	+ 72	0.7	−".034
4499	− 6	−.76	+ 107	0.6	+ 34
4503	− 5	−.80	+ 88	0.6	0
4710	− 4	+.95	+ 297	0.6	− 38
4711	0	+.95	+ 318	0.8	− 2
4713	0	+.95	+ 339	0.8	+ 36
4716	− 4	+.95	+ 323	1.0	+ 6
5081	+ 3	+.95	+ 483	1.0	+ 55
5084	− 2	+.95	+ 436	0.7	− 36
5105	+ 3	+.87	+ 440	1.0	− 28
5108	+ 3	+.85	+ 450	0.8	− 9
5221	0	−.68	+ 360	1.2	− 2
5225	+ 3	−.72	+ 373	1.0	+ 28
5227	+ 5	−.74	+ 367	1.0	+ 17
5234	+ 2	−.80	+ 332	0.8	− 43

(7) Comp. to γ Ceti $2^h37^m.3$ +2°57'

J.D.	h	P	m	p	v
	min				
4503	+ 1	-.65	+175	0.5	+".017
4504	+ 1	-.66	+181	0.5	+ 30
4512	+ 4	-.75	+158	0.5	- 4
4515	+12	-.79	+160	0.6	+ 2
4737	+ 5	+.96	+130	0.6	+ 11
4741	- 1	+.95	+107	1.0	- 28
4756	+ 6	+.88	+124	0.9	+ 13
4764	+ 2	+.82	+115	0.8	+ 2
4876	+ 6	-.74	+ 45	0.6	- 21
4880	+ 4	-.78	+ 46	0.7	- 17
4881	- 1	-.79	+ 59	0.5	+ 9
4882	+ 6	-.79	+ 44	0.8	- 17
5125	0	+.86	+ 13	0.7	+ 4
5127	+ 3	+.84	- 6	1.0	- 32
5129	+ 2	+.83	+ 11	1.0	+ 6
5133	+ 1	+.80	+ 38	0.7	+ 56
5234	+ 3	-.66	- 61	0.8	- 30
5243	+ 7	-.76	- 29	1.0	+ 38
5249	+ 1	-.81	- 28	0.5	+ 43
5253	+ 7	-.84	- 70	0.8	- 32

(8) γ Ceti $2^h38^m.1$ +2°49'

J.D.	h	P	m	p	v
	min				
4503	+ 1	-.65	+135	0.2	-".070
4504	+ 1	-.66	+210	0.3	+ 71
4512	+ 4	-.75	+122	0.3	- 86
4515	+12	-.79	+190	0.3	+ 45
4737	+ 5	+.96	+173	0.4	+ 24
4741	- 1	+.95	+160	0.5	+ 2
4756	+ 6	+.88	+135	0.5	- 34
4764	+ 2	+.82	+159	0.5	+ 17
4876	+ 6	-.74	+ 95	0.4	+ 24
4880	+ 4	-.78	+129	0.3	+ 92
4881	- 1	-.79	+ 79	0.3	0
4882	+ 6	-.79	+ 38	0.4	- 77
5125	0	+.86	+ 45	0.3	- 39
5127	+ 3	+.84	+ 36	0.6	- 53
5129	+ 2	+.83	+ 81	0.6	+ 32
5133	+ 1	+.80	+ 87	0.5	+ 49
5234	+ 3	-.66	- 3	0.5	- 4
5243	+ 7	-.76	- 16	0.6	- 21
5249	+ 1	-.81	- 37	0.3	- 55
5253	+ 7	-.84	+ 18	0.5	+ 55

(9) γ Hydi $3^h48^m.8$ -74°33'

J.D.	h	P	m	p	v
	min				
4512	+ 3	-.56	+114	0.9	+".077
4515	+ 7	-.60	+ 80	0.7	+ 13
4527	+ 9	-.75	+ 49	0.7	- 45
4767	+ 4	+.94	+ 68	0.7	- 19
4769	+ 7	+.93	+ 61	0.7	- 34
4775	+ 4	+.90	+ 70	0.9	- 17
4776	+ 8	+.89	+ 65	0.7	- 26
4886	- 1	-.68	+ 64	0.6	- 34
4889	+ 2	-.71	+ 82	0.8	+ 2
4894	+ 1	-.76	+ 75	1.0	- 13
5129	+ 3	+.96	+131	0.9	+ 81
5140	+ 9	+.90	+103	0.6	+ 28
5147	+ 2	+.84	+ 93	1.0	+ 9
5150	+ 6	+.81	+ 70	0.9	- 32
5152	+ 1	+.80	+ 78	0.8	- 19
5245	+11	-.60	+ 94	0.7	+ 8
5255	+ 4	-.72	+101	1.1	+ 19
5273	+12	-.89	+ 59	0.5	- 60

(10) o^2 Eridi A $4^h10^m.7$ -7°49'

J.D.	h	P	m	p	v
	min				
4527	+ 4	-.69	- 44	0.7	+".049
4528	+ 6	-.70	- 77	0.8	- 13
4531	+ 4	-.74	- 66	0.5	+ 9
4532	- 6	-.74	- 85	0.6	- 26
4760	0	+.99	- 47	0.7	+ 9
4764	- 3	+.98	- 39	0.8	+ 23
4775	- 3	+.94	- 50	1.2	+ 2
4790	- 3	+.83	- 77	0.8	- 47
4886	0	-.61	- 42	0.7	+ 34
4894	0	-.72	- 63	1.0	- 2
4912	+ 2	-.88	- 93	0.6	- 58
5129	- 1	+.98	- 41	0.8	0
5133	- 1	+.97	- 15	0.7	+ 51
5143	- 6	+.93	- 88	0.6	- 86
5147	- 2	+.89	- 24	0.6	+ 36
5255	+ 1	-.66	- 57	0.7	- 11
5265	- 1	-.77	- 51	1.0	+ 2
5266	- 1	-.78	- 39	0.7	+ 23

(11) o^2 Eridi B $4^h10^m.7$ -7°49'

J.D.	h	P	m	p	v
	min				
4527	+11	-.69	+ 68	0.5	+".086
4528	+10	-.70	+ 9	0.9	- 24
4531	+11	-.74	- 9	0.5	- 60
4532	- 1	-.74	+ 32	1.0	+ 17
4760	+ 7	+.99	+ 59	0.5	+ 47
4764	+ 2	+.98	+ 53	1.0	+ 34
4769	- 2	+.96	+ 44	0.6	+ 15
4775	+ 2	+.94	+ 14	1.1	- 41
4799	+ 2	+.73	+ 26	0.9	- 19
4889	- 1	-.66	+ 45	0.8	+ 13
4894	+ 5	-.72	+ 19	0.8	- 36
4912	+ 6	-.88	+ 28	0.5	- 17
5129	+ 7	+.98	+ 55	1.0	+ 8
5143	+ 1	+.93	+ 47	0.7	- 8
5150	- 4	+.87	+ 33	0.8	- 34
5152	- 4	+.86	+ 32	0.5	- 36
5154	+ 4	+.83	+ 72	0.7	+ 39
5255	+ 6	-.66	+ 77	0.7	+ 45
5265	+ 3	-.77	+ 36	1.0	- 32
5266	+ 4	-.78	+ 66	1.0	+ 26

(12) α Orio $5^h49^m.8$ +7°23'

J.D.	h	P	m	p	v
	min				
4553	+12	-.75	-213	0.7	-".015
4558	+ 8	-.81	-184	0.8	+ 39
4566	+ 6	-.87	-226	1.0	- 39
4799	- 3	+.95	-171	0.6	+ 53
4801	+ 3	+.93	-203	0.9	- 8
4821	- 6	+.74	-190	0.8	+ 13
4823	+ 1	+.72	-234	1.0	- 70
4830	- 9	+.63	-180	0.8	+ 32
4924	+ 3	-.81	-132	0.5	+107
4927	0	-.84	-218	0.7	- 55
4943	+ 6	-.96	-145	0.5	+ 79
4944	+ 1	-.96	-190	0.6	- 6
5160	+ 5	+.96	-200	0.9	- 30
5187	0	+.74	-184	1.0	- 4
5194	+ 2	+.66	-158	1.0	+ 43
5285	0	-.76	-189	0.7	- 30
5302	+ 5	-.92	-183	1.0	- 21
5303	+ 5	-.92	-180	1.0	- 17
5306	0	-.94	-156	0.8	+ 28

(13) ξ^2 CMaj $6^h30^m.9$ $-22°53'$

J.D.	h	P	m	p	v
	min				
4461	- 2	+.79	- 90	0.3	-".062
4469	+ 6	+.70	- 53	0.6	+ 8
4471	- 3	+.68	- 53	0.3	+ 9
4475	- 3	+.62	- 70	0.6	- 24
4479	+13	+.57	- 36	0.5	+ 43
4574	- 4	-.86	- 27	0.5	+ 86
4576	+ 3	-.88	- 84	0.5	- 17
4578	+ 2	-.90	- 99	0.3	- 47
4584	+ 5	-.93	- 85	0.7	- 17
4592	+ 4	-.97	- 98	0.6	- 43
4813	- 4	+.91	- 45	0.9	+ 19
4814	- 2	+.90	- 46	0.8	+ 19
4817	+ 4	+.87	- 60	0.6	- 6
4943	+ 5	-.89	- 84	0.8	- 19
4944	+ 2	-.90	-108	0.5	- 60
4953	0	-.95	- 36	0.7	+ 77
4954	- 3	-.96	- 71	0.8	+ 9
5175	+ 2	+.93	- 84	0.9	- 53
5178	+ 5	+.91	- 69	1.0	- 23
5186	+ 3	+.84	- 22	0.7	+ 66

(14) θ CMaj $6^h49^m.5$ $-11°55'$

J.D.	h	P	m	p	v
	min				
4469	+ 4	+.75	+197	0.3	+".008
4471	+ 1	+.73	+214	0.5	+ 41
4475	- 7	+.67	+177	0.6	- 24
4484	+ 3	+.55	+210	0.4	+ 43
4578	+ 9	-.86	+199	0.5	+ 92
4584	+ 8	-.91	+145	0.8	- 6
4592	- 1	-.96	+136	0.9	- 17
4594	+ 3	-.96	+127	0.6	- 34
4598	+10	-.98	+147	0.7	+ 6
4821	+ 3	+.88	+109	0.5	- 17
4823	- 1	+.86	+103	1.1	- 26
4830	- 2	+.79	+113	1.0	- 6
4840	- 2	+.68	+ 97	0.6	- 26
4943	+ 3	-.86	+ 76	0.8	+ 9
4945	+ 1	-.87	+ 73	1.1	+ 6
4953	+ 4	-.93	+ 57	1.0	- 21
5185	+ 3	+.89	+ 68	0.8	+ 53
5193	+ 6	+.82	+ 30	1.0	- 13
5195	+ 5	+.80	+ 61	0.7	+ 47
5196	+ 6	+.79	+ 15	0.7	- 39

(15) σ CMaj $6^h57^m.7$ $-27°47'$

J.D.	h	P	m	p	v
	min				
4475	- 9	+.69	- 33	0.5	-".036
4479	+ 5	+.65	+ 13	0.5	+ 53
4576	+ 8	-.82	- 50	0.7	- 32
4584	+ 6	-.89	- 31	1.0	+ 6
4592	- 2	-.94	- 70	0.8	- 68
4594	+ 3	-.96	- 57	0.8	- 41
4595	+ 1	-.96	- 4	1.0	+ 60
4817	+ 4	+.92	- 13	0.4	+ 19
4820	+ 3	+.89	- 28	0.9	- 9
4823	+ 3	+.88	- 34	1.0	- 19
4829	- 1	+.82	+ 21	0.5	+ 86
4943	- 1	-.84	- 46	0.8	- 4
4944	- 3	-.85	- 60	0.8	- 28
4953	+ 2	-.92	+ 6	0.8	+ 98
5185	0	+.90	- 44	0.7	- 17
5186	0	+.89	- 5	0.8	+ 56
5195	+ 3	+.82	- 61	0.6	- 47
5196	+ 8	+.81	- 60	0.5	- 45
5294	+ 5	-.68	-100	0.7	- 86
5308	- 2	-.84	- 78	0.7	- 41
5318	- 1	-.92	- 20	0.6	+ 70
5325	+ 1	-.96	- 37	0.7	+ 38

(16) π Pupp $7^h13^m.6$ $-36°55'$

J.D.	h	P	m	p	v
	min				
4471	+ 8	+.78	- 33	0.3	+".034
4475	- 7	+.74	- 27	0.4	+ 45
4479	+ 8	+.70	- 57	0.4	- 9
4484	- 6	+.63	- 59	0.3	- 9
4576	+ 8	-.79	- 41	0.6	+ 71
4584	- 2	-.86	- 91	1.0	- 19
4592	+ 3	-.92	-127	1.0	- 88
4594	+ 4	-.94	- 68	1.0	+ 28
4595	0	-.94	- 68	0.8	+ 28
4829	- 2	+.85	- 64	0.6	+ 15
4830	- 3	+.84	- 74	1.0	- 6
4842	- 7	+.72	- 94	1.0	- 36
4944	0	-.82	-135	1.0	- 64
4947	0	-.84	- 80	1.2	+ 43
4961	+ 7	-.94	- 87	0.9	+ 32
5186	- 6	+.92	-107	1.0	- 28
5187	+ 1	+.91	- 78	1.0	+ 24
5198	- 1	+.81	- 90	1.2	+ 9

(17) 9 Pupp $7^h47^m.1$ $-13°38'$

J.D.	h	P	m	p	v
	min				
4475	-10	+.81	+ 23	0.3	+".088
4479	- 3	+.78	- 46	0.5	- 38
4484	- 8	+.72	- 38	0.4	- 15
4485	- 1	+.71	- 47	0.3	- 32
4592	+ 9	-.85	-107	0.9	+ 19
4595	+ 5	-.88	-110	0.9	+ 17
4605	+ 1	-.94	-121	0.9	+ 6
4611	- 6	-.97	-125	0.6	+ 2
4840	- 1	+.82	- 82	0.7	- 13
4848	+ 1	+.73	- 80	0.9	0
4850	+ 3	+.71	- 92	1.0	- 21
4953	+ 1	-.82	-164	1.1	+ 4
4978	- 3	-.98	-178	0.8	- 2
4980	- 3	-.98	-200	0.9	- 43
4982	- 2	-.98	-179	0.8	- 2
5198	+ 2	+.87	-105	0.6	+ 34
5204	- 1	+.83	-123	1.0	+ 4
5205	+ 6	+.82	-128	1.1	- 4
5217	+ 3	+.70	-126	1.1	+ 13

(18) 20 Pupp $8^h8^m.7$ $-15°29$

J.D.	h	P	m	p	v
	min				
4597	+ 4	-.85	+ 39	1.0	+".011
4600	+ 1	-.88	+ 1	1.0	- 58
4604	+ 8	-.90	+ 34	0.7	+ 4
4611	- 3	-.94	+ 34	0.8	+ 6
4840	- 1	+.85	+ 65	0.6	+ 30
4850	+ 1	+.77	+ 78	1.0	+ 56
4859	- 1	+.66	+ 51	0.9	+ 9
4860	- 9	+.65	+ 20	1.0	- 49
4976	- 1	-.94	+ 40	0.8	+ 28
4982	+ 5	-.96	+ 28	0.9	+ 6
4983	+ 4	-.97	+ 37	0.9	+ 24
5206	+ 2	+.85	+ 38	0.8	- 9
5213	0	+.79	+ 43	0.8	0
5214	0	+.78	+ 30	1.0	- 24
5215	- 1	+.77	+ 41	1.0	0
5329	- 1	-.86	+ 27	0.8	+ 11
5336	+ 1	-.91	+ 23	0.7	+ 8
5339	+ 2	-.93	- 28	0.5	- 88
5348	+ 3	-.98	+ 35	0.7	+ 32

(19) β Cnor $8^h 11^m.1$ $+9°30'$

J.D.	h	P	m	p	v
	min				"
4595	+ 6	-.83	+ 28	0.8	+.071
4597	+ 9	-.85	- 39	1.0	- 53
4601	+ 5	-.88	- 31	0.8	- 34
4620	+ 5	-.96	+ 15	0.9	+ 58
4840	+ 2	+.86	+ 8	0.4	0
4848	+ 6	+.79	- 20	0.5	- 49
4859	+ 5	+.67	+ 12	1.2	+ 17
4860	- 2	+.66	- 7	0.7	- 19
4976	+ 2	-.94	- 40	0.8	- 9
4980	+ 4	-.95	- 56	0.8	- 39
4984	- 2	-.97	- 26	0.6	+ 17
4987	+ 5	-.98	- 47	0.6	- 21
5213	+ 2	+.79	- 16	0.6	- 2
5217	0	+.76	- 22	0.6	- 13
5223	+ 7	+.69	- 8	0.9	+ 17
5224	0	+.67	- 24	0.7	- 11
5227	- 1	+.63	+ 1	0.6	+ 38
5332	+ 7	-.88	- 28	0.7	+ 49
5340	+ 2	-.94	- 49	0.8	+ 11
5341	+ 6	-.94	- 69	0.5	- 26
5347	+ 8	-.96	- 61	0.9	- 9
5350	+ 3	-.97	- 62	0.9	- 11

(20) BS 3598 $8^h 57^m.0$ $-58°42'$

J.D.	h	P	m	p	v
	min				"
4499	+ 5	+.72	+ 123	0.7	-.036
4501	+ 4	+.70	+ 133	0.6	- 15
4503	+ 4	+.68	+ 165	0.8	+ 47
4504	- 6	+.67	+ 152	0.4	+ 23
4600	0	-.76	+ 89	1.0	+ 19
4618	0	-.91	+ 76	0.9	+ 9
4622	+ 3	-.92	+ 60	1.0	- 19
4623	- 2	-.93	+ 51	1.0	- 34
4859	+ 3	+.78	+ 60	0.8	- 2
4860	+ 1	+.77	+ 87	0.6	+ 49
4865	- 3	+.71	+ 42	0.8	- 30
4978	0	-.87	- 18	0.7	- 11
4984	- 4	-.91	- 12	1.0	+ 2
4993	+ 1	-.95	- 5	0.8	+ 21
4996	+ 2	-.96	- 4	0.6	+ 24
5215	- 1	+.85	- 29	0.5	- 21
5223	+ 2	+.79	- 25	0.9	- 6
5224	0	+.78	- 30	0.5	- 15
5234	+ 2	+.67	- 20	0.7	+ 9

(21) λ Pyxi $9^h 18^m.9$ $-28°24'$

J.D.	h	P	m	p	v
	min				"
4496	+ 2	+.80	+ 120	0.6	-.015
4499	0	+.77	+ 152	0.6	+ 47
4503	+ 5	+.74	+ 120	0.4	- 9
4504	- 4	+.73	+ 138	0.5	+ 24
4515	0	+.59	+ 133	0.4	+ 24
4623	+ 5	-.90	+ 60	0.7	- 30
4628	+ 5	-.92	+ 62	1.0	- 23
4629	+ 6	-.93	+ 69	1.0	- 9
4644	+ 4	-.96	+ 102	0.9	+ 56
4859	+ 4	+.82	+ 36	0.9	- 60
4860	- 1	+.81	+ 78	0.7	+ 19
4865	- 5	+.76	+ 51	1.0	- 30
4978	+ 3	-.83	+ 3	0.8	- 30
4993	+ 3	-.92	+ 11	1.0	- 8
4997	+ 1	-.93	+ 24	0.6	+ 21
4998	+ 2	-.94	+ 22	1.0	+ 17
5223	+ 2	+.83	+ 39	1.0	+ 56
5224	+ 1	+.82	- 23	0.7	- 60
5234	+ 1	+.73	+ 2	0.8	- 6
5235	+ 3	+.71	+ 23	0.7	+ 36

(22) ψ Velr $9^h 26^m.8$ $-40°2'$

J.D.	h	P	m	p	v
	min				"
4499	+ 2	+.79	+ 193	0.8	+.013
4618	+ 1	-.84	+ 88	1.1	- 13
4628	+ 2	-.91	+ 67	1.0	- 45
4629	+ 8	-.92	+ 102	1.0	+ 21
4639	0	-.95	+ 114	0.5	+ 53
4859	0	+.83	+ 113	0.9	+ 26
4860	0	+.83	+ 92	0.8	- 11
4865	- 1	+.78	+ 82	0.9	- 24
4987	- 5	-.87	- 8	1.0	- 23
4993	+ 1	-.90	+ 6	1.2	+ 9
4998	+ 4	-.93	+ 13	0.7	+ 28
5223	0	+.84	+ 3	0.7	- 9
5229	+ 8	+.79	- 5	0.6	- 19
5234	- 1	+.74	- 13	0.7	- 30
5235	+ 5	+.73	+ 47	0.8	+ 86
5242	0	+.65	- 26	0.8	- 43
5355	- 5	-.89	- 81	0.9	+ 15
5361	+ 2	-.92	- 94	0.8	- 8
5362	+ 2	-.93	- 89	1.0	+ 4
5371	- 2	-.95	- 100	1.0	- 9

(23) BS 4023 $10^h 10^m.5$ $-41°38'$

J.D.	h	P	m	p	v
	min				"
4504	- 4	+.83	+ 145	0.6	+.032
4515	+ 4	+.73	+ 127	0.7	+ 6
4522	0	+.65	+ 116	0.5	- 9
4523	- 3	+.64	+ 105	0.6	- 32
4632	0	-.86	+ 64	0.9	- 21
4634	0	-.87	+ 79	0.8	+ 11
4644	+ 2	-.92	+ 66	0.6	- 11
4658	0	-.95	+ 82	0.8	+ 26
4876	+ 8	+.77	+ 47	0.7	- 11
4886	+ 1	+.67	+ 31	0.8	- 36
4892	- 2	+.60	+ 68	0.8	+ 38
4999	- 4	-.87	- 20	1.0	- 38
5011	- 2	-.92	+ 20	0.7	+ 39
5017	+ 3	-.94	+ 5	0.6	+ 15
5022	+ 3	-.95	- 9	0.6	- 8
5242	+ 4	+.76	- 2	0.7	+ 32
5245	+ 4	+.73	- 24	0.5	- 8
5255	+ 6	+.62	- 34	0.9	- 17

(24) 61 Leon $10^h 56^m.7$ $-1°57'$

J.D.	h	P	m	p	v
	min				"
4541	- 3	+.56	+ 68	0.4	+.008
4648	+ 1	-.86	+ 36	1.0	- 17
4650	+ 1	-.88	+ 18	0.6	- 49
4673	+ 8	-.94	+ 60	0.7	+ 30
4675	+ 4	-.94	+ 71	0.8	+ 49
4886	- 4	+.78	+ 50	0.7	- 38
4891	+ 1	+.73	+ 35	0.6	- 64
4895	+ 1	+.69	+ 82	0.6	+ 24
5022	+ 1	-.91	+ 52	0.7	+ 9
5024	+ 1	-.92	+ 53	0.9	+ 11
5248	+ 4	+.80	+ 76	0.7	+ 4
5255	+ 4	+.74	+ 120	0.5	+ 90
5267	+ 4	+.61	+ 87	0.8	+ 30
5268	+ 1	+.60	+ 56	0.7	- 28
5395	+ 7	-.93	+ 26	0.6	- 45
5396	+ 2	-.93	+ 84	0.6	+ 62
5397	+ 8	-.93	+ 37	0.7	- 26
5398	+ 3	-.93	+ 36	1.0	- 28

(25) χ' Hyda $11^h 0.5^m$ $-26°45'$

J.D.	h	P	m	p	v
	min				
4522	+ 10	+ .78	+ 92	0.6	+ ".030
4523	0	+ .77	+ 68	0.8	- 15
4531	+ 5	+ .69	+ 95	0.4	+ 43
4532	- 1	+ .67	+ 48	0.5	- 45
4644	0	- .83	+ 10	0.8	- 17
4653	0	- .89	+ 23	1.0	+ 13
4655	+ 2	- .89	- 23	0.9	- 73
4657	- 1	- .91	+ 26	0.7	+ 21
4886	+ 1	+ .79	+ 8	0.8	+ 19
4892	+ 3	+ .73	+ 24	0.7	+ 53
5022	+ 3	- .90	- 60	1.1	+ 6
5028	0	- .93	- 50	1.0	+ 26
5035	+ 5	- .93	- 80	0.7	- 24
5038	- 6	- .94	- 44	0.8	+ 45
5248	+ 5	+ .80	- 77	0.6	+ 6
5249	- 3	+ .80	- 100	0.8	- 38
5267	+ 4	+ .63	- 97	1.0	- 19
5268	+ 2	+ .61	- 91	0.7	- 8

(26) δ Corv $12^h 24.7^m$ $-15°58'$

J.D.	h	P	m	p	v
	min				
4532	- 6	+ .86	+ 105	0.3	+ ".058
4537	- 3	+ .82	+ 67	0.3	- 9
4538	- 2	+ .81	+ 85	0.4	+ 24
4541	- 3	+ .80	+ 45	0.4	- 49
4543	0	+ .78	+ 78	0.3	+ 17
4669	- 5	- .84	+ 22	0.6	+ 24
4678	- 1	- .89	- 32	0.6	- 71
4687	- 3	- .92	- 27	0.7	- 56
4695	- 1	- .93	+ 33	0.6	+ 60
4905	- 5	+ .81	- 41	0.7	- 32
4912	- 1	+ .75	- 19	0.5	+ 15
4919	- 5	+ .68	- 5	0.7	+ 47
4922	- 2	+ .65	- 36	0.7	- 8
5042	- 1	- .89	- 90	0.7	- 2
5045	+ 3	- .90	- 83	0.6	+ 13
5048	- 3	- .91	- 81	0.5	+ 21
5052	- 4	- .92	- 75	0.9	+ 34
5056	- 3	- .93	- 102	1.0	- 15
5267	+ 1	+ .83	- 110	0.7	+ 17
5268	- 4	+ .82	- 132	0.8	- 24
5270	+ 1	+ .81	- 129	0.5	- 17
5273	+ 2	+ .79	- 127	0.6	- 11

(27) γ Virg NP $12^h 36.6^m$ $-0°54'$

J.D.	h	P	m	p	v
	min				
4537	0	+ .85	+ 285	0.4	- ".068
4541	+ 9	+ .82	+ 318	0.5	+ 6
4543	+ 6	+ .81	+ 366	0.4	+ 98
4550	+ 2	+ .75	+ 332	0.4	+ 51
4553	+ 4	+ .72	+ 284	0.4	- 34
4681	+ 3	- .89	+ 115	0.7	- 13
4684	+ 4	- .91	+ 141	0.7	+ 43
4688	+ 10	- .92	+ 96	0.7	- 34
4695	+ 8	- .93	+ 104	0.8	- 8
4697	+ 4	- .94	+ 97	0.8	- 17
4905	+ 5	+ .83	+ 7	0.6	- 21
4912	+ 1	+ .78	+ 30	0.7	+ 39
4921	+ 4	+ .70	- 26	0.7	- 47
5039	+ 4	- .85	- 194	0.8	- 43
5048	+ 7	- .90	- 194	0.7	- 26
5059	+ 5	- .93	- 166	0.8	+ 45
5062	+ 4	- .94	- 168	0.7	+ 47
5268	+ 3	+ .84	- 254	0.5	+ 49
5270	+ 5	+ .83	- 296	0.7	- 26
5273	+ 7	+ .81	- 289	0.6	- 8
5288	+ 5	+ .68	- 304	0.7	- 9

(28) α Virg SF $12^h 36.6^m$ $-0°54'$

J.D.	h	P	m	p	v
	min				
4537	0	+ .85	+ 341	0.4	+ ".024
4541	+ 9	+ .82	+ 325	0.5	+ 4
4543	+ 6	+ .81	+ 355	0.4	+ 64
4550	+ 2	+ .75	+ 357	0.4	+ 83
4553	+ 4	+ .72	+ 309	0.4	0
4681	+ 3	- .89	+ 147	0.7	+ 24
4684	+ 4	- .91	+ 129	0.7	- 4
4688	+ 10	- .92	+ 107	0.7	- 38
4695	+ 8	- .93	+ 110	0.8	- 21
4697	+ 4	- .94	+ 102	0.8	- 32
4905	+ 5	+ .83	+ 25	0.6	- 17
4912	+ 1	+ .78	- 6	0.7	- 58
4921	+ 4	+ .70	- 8	0.7	- 43
5039	+ 4	- .85	- 157	0.8	- 13
5048	+ 7	- .90	- 157	0.7	+ 4
5059	+ 5	- .93	- 157	0.8	+ 23
5062	+ 4	- .94	- 139	0.7	+ 62
5268	+ 3	+ .84	- 242	0.5	+ 24
5270	+ 5	+ .83	- 270	0.7	- 24
5273	+ 7	+ .81	- 257	0.6	+ 6
5288	+ 5	+ .68	- 264	0.7	+ 26

(29) Prox Cent $14^h 22.8^m$ $-62°15'$

J.D.	h	P	m	p	v
	min				
4578	+ 2	+ .78	+ 53	0.3	- ".045
4587	+ 10	+ .69	+ 88	0.3	+ 23
4588	- 5	+ .68	+ 68	0.4	- 19
4594	+ 6	+ .61	+ 61	0.6	- 24
4595	- 4	+ .59	+ 88	0.8	+ 24
4687	+ 2	- .74	+ 62	0.5	+ 13
4698	0	- .84	+ 57	0.7	+ 8
4706	+ 7	- .89	+ 51	0.6	- 2
4713	+ 3	- .93	+ 38	0.7	- 28
4924	- 4	+ .90	+ 81	0.5	- 8
4943	+ 10	+ .78	+ 106	0.5	+ 39
4947	+ 4	+ .74	+ 116	0.3	+ 62
4950	- 5	+ .71	+ 79	0.3	- 8
4951	- 6	+ .70	+ 82	0.7	- 4
5059	+ 9	- .80	+ 41	0.5	- 38
5064	+ 1	- .84	+ 64	1.0	+ 6
5070	+ 1	- .89	+ 61	1.0	+ 2
5080	+ 3	- .94	+ 71	0.8	+ 23
5085	+ 7	- .95	+ 54	0.6	- 11
5300	+ 5	+ .84	+ 53	0.6	- 71
5302	+ 9	+ .83	+ 87	0.7	- 11
5307	+ 4	+ .79	+ 94	1.0	+ 4
5318	+ 4	+ .67	+ 119	0.5	+ 56

(30) α Cent Ft $14^h 32.8^m$ $-60°25'$

J.D.	h	P	m	p	v
	min				
4588	+ 3	+ .70	+ 58	0.4	+ ".126
4588	+ 10	+ .70	- 8	0.3	+ 2
4594	+ 8	+ .64	- 13	0.8	- 8
4595	+ 5	+ .63	+ 19	0.8	+ 49
4692	+ 2	- .76	- 29	0.7	- 58
4698	+ 5	- .82	- 14	0.7	- 30
4710	+ 5	- .90	+ 16	1.2	+ 26
4715	- 1	- .93	+ 4	1.0	0
4943	+ 11	+ .80	- 4	1.0	- 23
4947	+ 3	+ .77	- 39	0.6	- 90
4947	+ 9	+ .77	- 38	0.7	- 86
4950	+ 6	+ .74	- 5	0.8	- 28
4951	- 3	+ .73	+ 38	0.7	+ 56
5070	+ 1	- .87	+ 16	0.7	- 9
5071	+ 2	- .88	+ 21	0.8	+ 2
5080	+ 8	- .93	+ 19	0.6	- 4
5082	+ 3	- .94	+ 26	0.6	+ 11
5083	- 4	- .94	+ 3	0.2	- 34
5083	- 1	- .94	+ 40	0.5	+ 38
5300	+ 4	+ .86	+ 5	0.3	- 39
5307	+ 5	+ .81	+ 55	0.3	+ 56
5311	0	+ .78	+ 59	0.8	+ 60
5318	+ 4	+ .71	+ 28	0.5	+ 2

(31) α Cent Br $14^h32^m.8$ $-60°25'$

J.D.	h (min)	P	m	p	v
4588	+ 3	+.70	+ 208	0.3	+".056
4588	+ 10	+.70	+ 171	0.2	- 11
4594	+ 8	+.64	+ 173	0.8	0
4595	+ 5	+.63	+ 187	0.8	+ 24
4692	+ 2	-.76	+ 85	0.7	- 64
4698	+ 5	-.82	+ 102	0.7	- 24
4710	+ 5	-.90	+ 128	1.2	+ 36
4715	- 1	-.93	+ 98	1.0	- 15
4943	+ 11	+.80	+ 3	0.8	+ 8
4947	+ 3	+.77	- 17	0.6	- 26
4947	+ 9	+.77	- 29	0.6	- 49
4950	+ 6	+.74	- 13	0.7	- 21
4951	- 3	+.73	+ 16	0.7	+ 39
5070	+ 1	-.87	- 77	0.6	- 11
5071	+ 2	-.88	- 69	0.7	+ 6
5080	+ 8	-.93	- 45	0.6	+ 58
5082	+ 3	-.94	- 126	0.6	- 92
5083	- 4	-.94	- 51	0.5	+ 51
5083	- 1	-.94	- 58	0.6	+ 39
5300	+	+.86	- 159	0.6	+ 36
5307	+ 5	+.81	- 179	0.6	+ 6
5311	0	+.78	- 142	0.6	+ 79
5318	+ 4	+.71	- 262	0.5	- 143

(32) 36 Libr $15^h28^m.5$ $-27°42'$

J.D.	h (min)	P	m	p	v
4609	+ 7	+.64	+ 106	0.5	+".066
4731	- 3	-.96	+ 55	1.0	- 30
4733	0	-.96	+ 67	0.9	- 4
4736	+ 2	-.97	+ 96	0.6	+ 49
4737	- 1	-.97	+ 49	0.5	- 39
4953	- 2	+.85	+ 88	0.4	+ 11
4960	- 1	+.79	+ 98	0.6	+ 30
4961	- 2	+.79	+ 90	0.8	+ 17
4963	- 3	+.76	+ 67	0.8	- 30
5077	+ 3	-.83	+ 75	0.8	- 13
5096	+ 4	-.95	+ 71	0.8	- 21
5105	+ 12	-.98	+ 82	0.8	0
5306	+ 4	+.92	+ 92	0.7	- 4
5307	+ 5	+.92	+ 98	0.8	+ 6
5318	+ 1	+.85	+ 72	0.7	- 41
5329	+ 3	+.75	+ 87	1.0	- 15
5451	+ 8	-.89	+ 107	0.6	+ 24
5452	+ 5	-.90	+ 111	0.7	+ 34
5455	- 1	-.92	+ 103	0.8	+ 17
5462	+ 5	-.95	+ 93	0.7	- 2

(33) ξ' Scor Mean $15^h58^m.9$ $-11°6'$

J.D.	h (min)	P	m	p	v
4598	+ 5	+.84	+ 115	0.8	-".043
4600	+ 2	+.82	+ 138	0.7	0
4604	+ 5	+.79	+ 145	0.5	+ 13
4609	+ 1	+.73	+ 129	0.6	- 13
4725	+ 2	-.89	+ 93	0.9	- 15
4726	- 2	-.90	+ 99	0.8	- 4
4731	- 3	-.93	+ 116	0.9	+ 28
4739	- 2	-.96	+ 108	0.9	+ 17
4947	0	+.94	+ 119	0.7	+ 36
4951	0	+.92	+ 119	0.6	+ 36
4961	- 1	+.86	+ 100	0.7	+ 2
5082	- 1	-.82	+ 64	0.8	+ 4
5094	+ 2	-.91	+ 60	0.7	0
5108	+ 6	-.98	+ 61	0.7	+ 8
5109	+ 3	-.98	+ 38	0.6	- 38
5325	+ 1	+.87	+ 70	0.7	+ 23
5327	0	+.85	+ 44	0.9	- 24
5336	+ 5	+.77	+ 54	0.6	- 2
5339	- 6	+.74	+ 48	0.6	- 15

(34) ξ^2 Scor $15^h58^m.9$ $-11°6'$

J.D.	h (min)	P	m	p	v
4595	+ 6	+.86	+ 46	0.8	-".024
4598	+ 5	+.84	+ 116	0.3	+ 105
4600	+ 6	+.82	+ 47	0.6	- 24
4604	+ 8	+.79	+ 50	0.5	- 15
4609	+ 4	+.73	+ 69	0.5	+ 24
4725	+ 8	-.89	+ 17	0.8	- 4
4726	+ 3	-.90	- 30	0.6	- 92
4731	+ 2	-.93	+ 21	0.6	+ 4
4739	+ 3	-.96	+ 30	0.7	+ 26
4947	+ 4	+.94	- 2	0.5	- 26
4951	+ 4	+.92	+ 45	0.7	+ 62
4961	+ 4	+.86	+ 11	0.7	+ 2
5082	+ 3	-.82	- 8	0.8	+ 39
5094	+ 7	-.91	- 34	0.5	- 4
5108	+ 10	-.98	- 34	0.7	+ 2
5109	+ 8	-.98	- 28	0.7	+ 13
5325	+ 6	+.87	- 23	0.8	+ 34
5327	+ 5	+.85	- 54	0.9	- 24
5336	+ 9	+.77	- 85	0.5	- 77
5339	- 1	+.74	- 48	0.6	- 8

(35) δ Ophi $16^h9^m.1$ $-3°26'$

J.D.	h (min)	P	m	p	v
4587	- 1	+.93	+ 61	0.6	-".006
4594	- 2	+.89	+ 58	0.7	- 8
4597	+ 1	+.87	+ 46	0.9	- 32
4611	- 6	+.74	+ 64	0.5	+ 9
4726	0	-.88	+ 47	0.8	+ 23
4727	+ 3	-.88	+ 19	0.9	- 28
4735	- 8	-.94	+ 28	0.7	- 11
4736	- 2	-.94	+ 67	0.7	+ 64
4947	- 1	+.95	+ 42	0.6	- 23
4950	- 1	+.94	+ 70	0.7	+ 32
4953	+ 1	+.93	+ 69	0.7	+ 30
5091	- 4	-.87	+ 44	0.6	+ 38
5096	- 2	-.90	- 5	0.7	- 55
5107	+ 2	-.96	- 6	0.6	- 53
5110	+ 1	-.98	+ 37	0.7	+ 26
5325	+ 2	+.89	+ 38	0.9	- 6
5329	+ 3	+.85	+ 44	0.7	+ 4
5330	+ 3	+.85	+ 57	0.8	+ 30
5341	- 11	+.75	+ 21	0.7	- 34

(36) BS 6416 $17^h11^m.5$ $-46°32'$

J.D.	h (min)	P	m	p	v
4594	- 6	+.98	+ 67	0.9	+".002
4595	+ 2	+.97	+ 85	0.6	+ 38
4598	+ 5	+.96	+ 65	1.2	- 4
4600	+ 2	+.96	+ 75	0.6	+ 17
4735	+ 2	-.83	- 63	0.9	- 23
4741	0	-.88	- 52	0.9	+ 6
4746	- 2	-.92	- 47	0.9	+ 17
4759	+ 4	-.99	- 86	0.8	- 45
4965	+ 6	+.96	+ 87	0.5	- 8
4976	+ 5	+.89	+ 66	0.7	- 38
4983	- 2	+.84	+ 87	0.9	+ 6
5108	+ 4	-.89	- 23	0.9	+ 15
5111	+ 3	-.92	- 38	0.7	- 11
5112	+ 4	-.92	- 9	0.8	+ 45
5117	+ 2	-.95	- 33	0.6	0
5327	+ 1	+.97	+ 118	0.9	+ 6
5331	- 1	+.96	+ 102	0.8	- 26
5354	- 1	+.78	+ 111	0.6	+ 13

(37) BS 6426 $17^h 12^m.1$ $-34°53'$

J.D.	h	P	m	p	v
	min				
4595	- 5	+.97	+ 81	0.8	-".024
4597	- 4	+.97	+105	0.5	+ 21
4619	+ 2	+.83	+116	0.8	+ 56
4622	+ 2	+.80	+ 85	0.8	+ 4
4627	+ 8	+.75	+ 24	0.5	- 105
4735	+ 7	-.83	- 84	0.6	- 100
4739	+ 3	-.86	- 25	0.9	+ 17
4751	- 1	-.95	- 34	0.6	+ 9
4758	+ 5	-.98	- 33	1.0	+ 13
4968	+ 3	+.94	+150	0.6	+ 68
4984	- 6	+.83	+111	0.7	+ 8
4990	- 7	+.77	+110	0.7	+ 13
5107	+ 3	-.88	- 24	0.5	- 21
5108	+ 8	-.89	- 18	0.6	- 8
5115	+ 1	-.94	- 4	0.5	+ 23
5122	+ 6	-.97	- 37	0.5	- 34
5124	- 4	-.98	+ 21	0.6	+ 77
5339	+ 7	+.91	+130	0.5	- 9
5340	+ 2	+.91	+115	0.7	- 34
5359	+ 4	+.74	+133	0.4	+ 21
5360	- 5	+.72	+106	0.7	- 28

(38) β Ophi $17^h 38^m.5$ $+4°37'$

J.D.	h	P	m	p	v
	min				
4730	- 1	-.71	+ 70	0.9	+".053
4764	+ 4	-.98	+ 62	0.7	+ 51
4765	+ 7	-.98	+ 19	0.6	- 28
4767	+ 2	-.99	+ 15	0.9	- 38
4983	0	+.89	+ 73	0.8	+ 30
4984	+ 3	+.89	+ 46	0.8	- 23
4990	+ 3	+.84	+ 70	0.7	+ 26
4991	+ 3	+.83	+ 26	0.7	- 58
5105	+ 2	-.81	- 2	0.7	- 26
5108	0	-.84	- 1	0.9	- 23
5126	+ 2	-.96	- 8	0.7	- 28
5130	+ 2	-.98	+ 22	0.6	+ 28
5348	+ 4	+.90	+ 36	0.7	+ 13
5356	+ 4	+.83	+ 33	0.8	+ 9
5360	+12	+.79	+ 30	0.7	+ 8
5362	- 4	+.77	+ 19	0.7	- 11
5481	+ 3	-.90	- 69	0.6	- 92
5491	- 3	-.96	- 20	0.7	+ 2
5498	+ 3	-.99	- 4	0.7	+ 36
5499	+ 4	-.99	+ 5	0.8	+ 51

(39) Anon $17^h 52^m.8$ +4 25

J.D.	h	P	m	p	v
	min				
4609	+10	+.97	+ 69	0.5	+".011
4619	+ 6	+.91	+ 60	0.6	- 2
4641	- 4	+.70	+ 55	0.5	- 9
4751	+ 9	-.89	+ 51	0.5	+ 6
4758	+ 1	-.94	+ 22	0.6	- 45
4976	+ 6	+.96	+ 31	0.8	- 24
4990	+ 1	+.86	+ 52	0.7	+ 15
4992	+ 1	+.84	+ 84	0.5	+ 79
5111	+ 8	-.84	+ 28	0.7	+ 2
5124	- 5	-.94	+ 45	0.3	+ 30
5127	- 2	-.95	+ 38	0.6	+ 19
5337	+ 2	+.97	+ 11	0.5	- 28
5340	+ 2	+.96	+ 6	0.7	- 38
5354	0	+.87	+ 52	0.5	+ 53
5356	+ 7	+.86	+ 13	0.6	- 23

(40) $17^h 52^m.9$ $+4°25'$

J.D.	h	P	m	p	v
	min				
4609	+10	+.97	+408	0.7	-".004
4623	+ 1	+.88	+387	0.8	- 15
4625	+ 2	+.86	+379	0.9	- 26
4641	- 4	+.70	+402	0.9	+ 53
4751	+ 9	-.89	+250	0.7	+ 15
4758	+ 1	-.93	+212	1.0	- 41
4764	+ 4	-.97	+248	0.7	+ 38
4767	+ 3	-.98	+226	0.8	+ 4
4976	+ 6	+.96	+ 52	0.7	+ 13
4990	+ 1	+.86	+ 33	1.0	+ 8
4992	+ 1	+.84	+ 32	0.8	+ 9
5111	+ 8	-.84	-139	0.7	- 43
5123	+ 8	-.93	-137	0.6	- 17
5124	- 5	-.94	-107	0.6	+ 43
5127	- 2	-.95	-146	0.8	- 24
5337	+ 2	+.97	-319	0.8	- 8
5340	+ 2	+.96	-317	0.8	0
5354	0	+.87	-328	0.9	+ 8
5356	+ 7	+.86	-349	1.0	- 28
5494	0	-.96	-484	1.0	+ 28

(41) 70 Ophi A $18^h 0^m.4$ $+2°31'$

J.D.	h	P	m	p	v
	min				
4623	+ 4	+.90	- 88	0.5	-".011
4626	+ 6	+.87	- 86	0.8	- 8
4628	+ 1	+.86	- 87	0.9	- 13
4634	+ 4	+.80	- 86	0.6	- 9
4641	+ 4	+.72	- 67	0.8	+ 23
4744	- 1	-.81	- 37	0.9	+ 70
4758	+ 2	-.92	-124	0.9	- 100
4767	+ 4	-.97	- 69	0.6	+ 2
4769	- 4	-.98	- 42	0.6	+ 51
4979	+ 1	+.96	0	0.7	- 19
4990	+ 1	+.88	+ 28	0.9	+ 28
5125	+ 4	-.93	+ 38	0.6	+ 30
5127	0	-.95	+ 9	0.8	- 28
5138	+ 2	-.99	+ 23	0.3	- 6
5339	+ 3	+.98	+ 89	0.6	- 30
5360	+ 6	+.85	+121	0.6	+ 24
5364	+ 3	+.80	+110	0.7	+ 2

(42) 70 Ophi B $18^h 0^m.4$ $+2°31$

J.D.	h	P	m	p	v
	min				
4619	+ 6	+.92	- 88	0.9	+".045
4623	+ 9	+.90	-114	0.5	- 8
4626	+ 9	+.87	-132	0.7	- 41
4628	+ 5	+.86	-119	1.0	- 21
4641	+ 8	+.72	- 70	0.9	+ 66
4744	+ 4	-.81	- 55	0.9	+ 32
4758	+ 6	-.92	-124	0.8	- 107
4767	+ 9	-.97	- 72	0.8	- 19
4769	- 1	-.98	- 31	0.5	+ 58
4979	+ 6	+.96	+ 23	0.7	- 45
4990	+ 6	+.88	+ 41	0.9	- 19
5125	+ 9	-.93	+ 86	0.6	- 17
5127	+ 4	-.95	+ 85	0.7	- 19
5138	+ 5	-.99	+178	0.4	+ 130
5339	+ 8	+.98	+228	0.6	+ 47
5360	+11	+.85	+223	0.5	+ 19
5364	+ 8	+.80	+190	0.7	- 43

(43) β Aql 19h 50.4m +6° 9'

J.D.	h	P	m	p	v
	min				
4649	+ 3	+.89	+ 56	0.6	+".023
4651	- 4	+.88	+ 28	0.7	- 28
4657	- 2	+.82	+ 24	0.6	- 32
4661	- 5	+.79	+ 36	0.6	- 6
4774	0	-.82	- 31	0.7	- 9
4791	- 1	-.94	- 40	0.6	- 17
4795	+ 2	-.95	+ 6	0.5	+ 68
4798	+ 6	-.96	- 16	0.7	+ 30
4997	0	+.97	+ 89	0.7	+ 53
5007	+ 2	+.93	+ 43	0.8	- 30
5008	+ 1	+.93	+ 62	0.8	+ 4
5143	+ 1	-.86	- 18	0.8	- 9
5152	+ 2	-.92	- 24	0.8	- 17
5156	- 3	-.94	- 39	0.7	- 43
5157	0	-.94	- 5	0.7	+ 23
5363	+ 2	+.97	+ 75	0.6	- 2
5377	+ 7	+.90	+ 87	0.7	+ 26
5381	+ 4	+.88	+ 47	0.7	- 47
5382	+ 2	+.87	+ 93	0.7	+ 38

(44) α' Capr 20h 12.1m -12° 49'

J.D.	h	P	m	p	v
	min				
4641	- 6	+.95	+ 52	0.7	+".004
4643	+ 5	+.95	+ 64	0.6	+ 28
4649	- 1	+.92	+ 81	0.6	+ 60
4651	+ 2	+.91	+ 41	0.6	- 17
4785	- 4	-.87	+ 47	0.7	- 6
4789	- 5	-.89	+ 21	0.6	- 55
4791	- 1	-.90	+ 55	0.7	+ 9
4801	+ 4	-.95	+ 28	0.7	- 41
5004	- 5	+.96	+ 72	0.6	+ 21
5008	- 2	+.95	+ 34	0.9	- 51
5011	- 1	+.93	+ 67	1.0	+ 11
5019	- 4	+.88	+ 54	0.9	- 15
5147	+ 7	-.83	+ 69	0.7	+ 13
5162	- 1	-.93	+ 99	0.6	+ 70
5164	+ 8	-.94	+ 70	0.7	+ 13
5375	- 2	+.94	+ 61	0.6	- 23
5383	+ 1	+.90	+ 97	0.8	+ 43
5388	+ 4	+.86	+ 52	0.8	- 41

(45) ν Aqar 21h 4.1m -11° 47'

J.D.	h	P	m	p	v
	min				
4437	0	-.87	- 113	0.5	-".013
4450	+ 6	-.93	- 94	0.5	+ 21
4451	+ 13	-.94	- 108	0.8	- 6
4649	+ 1	+.96	- 50	0.7	+ 9
4651	+ 7	+.96	- 14	0.4	+ 73
4653	+ 2	+.95	- 24	0.7	+ 56
4669	+ 9	+.86	- 89	0.6	- 68
4680	+ 8	+.76	- 73	0.7	- 36
4795	+ 1	-.81	- 57	0.5	+ 8
4799	+ 5	-.85	- 55	0.7	+ 9
4814	+ 2	-.93	- 84	0.5	- 45
5019	+ 2	+.94	- 42	0.7	- 62
5024	+ 2	+.93	+ 28	0.8	+ 68
5031	- 1	+.88	- 14	0.8	- 11
5032	0	+.88	- 20	0.9	- 24
5162	+ 4	-.83	- 5	0.6	+ 19
5164	+ 3	-.85	- 34	0.6	- 34
5176	+ 4	-.91	+ 2	0.8	+ 32

(46) κ Capr 21h 37.1m -19° 19

J.D.	h	P	m	p	v
	min				
4440	+ 4	-.82	- 120	0.8	-".017
4448	+ 1	-.87	- 124	1.0	- 26
4450	- 7	-.88	- 78	0.8	+ 60
4451	- 6	-.89	- 131	0.6	- 39
4656	- 1	+.95	- 32	0.7	+ 11
4657	0	+.95	- 49	0.6	- 21
4658	+ 2	+.95	- 2	1.0	+ 70
4669	0	+.90	- 53	0.7	- 32
4801	- 1	-.78	- 47	0.8	0
4821	0	-.91	- 58	0.5	- 15
5020	+ 2	+.95	+ 21	0.6	- 8
5032	+ 4	+.92	+ 24	1.0	- 4
5038	- 4	+.88	+ 15	0.7	- 23
5039	+ 8	+.88	+ 7	0.6	- 38
5162	+ 1	-.75	+ 71	0.6	+ 103
5178	+ 5	-.88	0	1.0	- 32
5186	+ 5	-.91	+ 22	0.4	+ 9

(47) ε Indi 21h 55.7m -57° 12

J.D.	h	P	m	p	v
	min				
4450	0	-.85	- 123	1.0	".000
4451	+ 9	-.86	- 123	0.7	+ 4
4452	+ 9	-.87	- 142	0.6	- 30
4460	+ 11	-.90	- 127	0.4	+ 8
4663	+ 1	+.94	+ 172	0.7	+ 34
4670	+ 1	+.92	+ 171	0.9	+ 36
4678	- 1	+.88	+ 132	0.6	- 28
4681	- 2	+.85	+ 134	0.8	- 13
4682	+ 1	+.85	+ 134	1.0	- 13
4800	0	-.72	- 79	0.6	+ 28
4813	+ 1	-.84	- 129	0.7	- 30
4814	+ 1	-.85	- 97	0.5	+ 32
4817	- 2	-.86	- 120	0.5	- 8
5031	0	+.93	+ 171	0.7	+ 15
5035	0	+.92	+ 162	0.7	+ 2
5038	- 1	+.91	+ 139	0.5	- 38
5039	+ 1	+.91	+ 149	0.6	- 19
5162	+ 2	-.69	- 87	0.6	- 13
5173	+ 3	-.80	- 67	0.6	+ 55
5174	+ 5	-.80	- 103	0.9	- 13
5185	+ 3	-.87	- 111	0.8	- 8

(48) Boss 5841 NP 22h 34.2m -13° 8'

J.D.	h	P	m	p	v
	min				
4678	- 1	+.92	- 116	0.7	-".009
4681	+ 4	+.91	- 140	0.7	- 58
4682	+ 8	+.90	- 104	1.1	+ 9
4700	+ 9	+.78	- 74	0.6	+ 58
4813	+ 4	-.74	- 63	0.7	+ 68
4829	+ 3	-.86	- 115	0.8	- 36
4830	- 1	-.87	- 107	0.6	- 21
5032	- 4	+.94	+ 19	0.6	+ 6
5039	+ 2	+.93	+ 12	1.1	- 11
5175	0	-.71	+ 36	0.8	+ 11
5187	+ 1	-.81	+ 33	0.8	+ 4
5195	+ 4	-.87	+ 21	0.8	- 24
5403	+ 5	+.93	+ 144	0.9	- 8
5410	+ 8	+.92	+ 160	0.9	+ 23
5415	+ 3	+.89	+ 172	0.7	+ 39
5418	+ 1	+.86	+ 103	0.4	- 88

(49) Boss 5841 SF 22h 34m.2 - 13° 8'						(50) 88 Aqar 23h 4m.1 - 21° 43'					
J.D.	h	P	m	p	v	J.D.	h	P	m	p	v
	min				"		min				"
4678	- 1	+.92	- 77	0.7	-.032	4460	- 4	-.76	- 18	0.7	-.011
4681	+ 4	+.91	- 92	0.7	- 62	4461	+ 9	-.78	+ 23	0.6	+ 64
4682	+ 8	+.90	- 65	1.1	- 11	4471	+ 1	-.85	- 62	0.5	- 96
4700	+ 9	+.78	- 7	0.6	+ 90	4474	+ 13	-.86	+ 22	0.5	+ 66
4813	+ 4	-.74	- 37	0.7	+ 43	4675	- 6	+.94	- 11	1.1	- 8
4829	+ 3	-.86	- 55	0.8	+ 6	4678	- 4	+.93	- 11	1.1	- 6
4830	- 1	-.87	- 15	0.6	+ 81	4690	- 3	+.90	+ 3	1.0	+ 23
5032	- 4	+.94	+ 69	0.6	- 6	4692	- 1	+.89	- 19	0.6	- 19
5039	+ 2	+.93	+ 61	1.1	- 24	4823	- 6	-.75	- 35	1.0	- 41
5175	0	-.71	+ 76	0.8	+ 2	4829	+ 1	-.80	- 6	1.0	+ 15
5187	+ 1	-.81	+ 65	0.8	- 19	5042	+ 5	+.94	+ 16	0.7	+ 45
5195	+ 4	-.87	+ 59	0.8	- 34	5053	+ 4	+.91	- 16	0.9	- 11
5199	+ 3	-.88	+ 36	0.6	- 77	5056	+ 1	+.90	- 29	0.8	- 34
5403	+ 5	+.93	+ 227	0.9	+ 38	5058	- 1	+.89	- 6	1.0	+ 8
5410	+ 8	+.92	+ 216	0.9	+ 11	5187	- 3	-.74	- 8	0.9	+ 11
5415	+ 3	+.89	+ 221	0.7	+ 19	5196	+ 3	-.81	- 27	0.9	- 23
						5206	+ 8	-.87	+ 1	0.8	+ 28

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M Spect.	Total μ	Relative Parallax ± p.e.		p.e.$_I$
51	6 Ceti	0^h $6^m.2$	-16° 1'	17	5.05 F5	0".281	+".061	±".008	±".027
52	λ' Phoenicis	0 26.6	-49 21	115	4.88 A2	.130	+.021	7	20
53	φ' Ceti	0 39.1	-11 9	128	4.93 Ko	.112	+.018	11	31
54	φ² Ceti	0 45.1	-11 11	153	5.24 F5	.325	+.051	6	17
55	ζ Ceti	1 46.5	-10 50	-359	3.92 Ko	.052	+.023	8	25
56	δ Hydri	2 20.0	-69 7	113	4.26 A2	.054	+.044	10	31
57	ρ Ceti	2 21.1	-12 44	451	4.90 Ao	.025	+.024	7	20
58	ζ Hydri	2 44.0	-68 2	169	4.90 A2	.077	+.004	6	18
59	β Fornacis	2 44.9	-32 50	1025	4.50 Ko	.189	+.020	6	19
60	μ Horologii	3 1.3	-60 8	236	5.16 Fo	.098	+.020	7	18
61	ε Eridani	3 28.2	- 9 48	697	3.81 Ko	.967	+.297	8	26
62	PGC 827	3 33.5	-40 36	1008	4.58 Ko	.044	+.006	7	20
63	δ Eridani	3 38.5	-10 6	728	3.72 Ko	.748	+.096	8	24
64	PGC 854	3 39.1	-37 38	1415	4.64 K2	.111	+.023	7	23
65	α Caeli	4 37.3	-42 3	1587	4.52 F2	.167	+.022	8	29
66	58 Eridani	4 43.1	-17 7	954	5.63 Go	.218	+.064	8	26
67	π³ Orionis	4 44.4	+ 6 47	762	3.31 F8	.474	+.110	6	18
68	64 Eridani	4 55.3	-12 41	1047	4.85 Fo	.110	+.017	9	28
69	29 Orionis	5 19.1	- 7 54	1064	4.21 Ko	.041	+.010	9	27
70	β Leporis	5 24.0	-20 50	1096	2.96 Go	.095	+.019	9	28
71	κ Columbae	6 13.0	-35 6	2800	4.51 Ko	.075	+.022	7	22
72	π² Doradus	6 26.3	-69 38	614	5.40 G5	.198	+.003	8	23
73	δ Monocerotis	7 6.8	- 0 20	1636	4.09 Ao	.013	+.014	8	26
74	α Monocerotis	7 36.5	- 9 19	2172	4.07 Ko	.076	+.027	12	36
75	11 Puppis	7 52.6	-22 37	2087	4.35 F8	.037	+.023	7	22
76	d Velorum	8 40.8	-42 17	4569	4.12 G5	.018	+.046	9	26
77	PGC 2534	9 22.7	-21 54	2802	4.94 Ko	.252	+.023	8	25
78	α Crateris	10 54.9	-17 46	3273	4.20 Ko	.479	+.039	9	28
79	PGC 2952	11 2.4	-61 53	2067	4.76 Ko	.022	+.051	7	21
80	η Crateris	11 50.9	-16 36	3358	5.16 Ao	.047	+.039	6	19
81	η Corvi	12 26.9	-15 38	3489	4.42 Fo	.443	+.064	8	25
82	PGC 3421	13 6.5	-37 16	8437	4.89 G5	.389	+.075	8	27
83	69 Virginis	13 22.1	-15 27	3668	4.89 Ko	.124	+.053	7	23
84	1 Centauri	13 40.0	-32 32	9603	4.36 F5	.488	+.055	8	23
85	ι Virginis	14 10.8	- 5 31	3843	4.16 F5	.425	+.048	7	22
86	κ Triang. A.	15 45.6	-68 18	2585	5.20 Ko	.022	+.002	5	15
87	γ' Normae	16 9.5	-49 49	10474	5.00 F8p	.006	-.006	6	21
88	PGC 4333	16 58.2	-28 26	12769	6.67 G5	.291	+.069	8	28
89	PGC 4619	18 11.8	-27 5	12684	4.69 K5	.012	+.029	7	24
90	τ Sagittarii	19 0.7	-27 49	13564	3.42 Ko	.268	+.041	6	19
91	62 Sagittarii	19 56.5	-27 59	-16355	4.60 Mb	.039	+.023	8	27
92	5 Aquarii	20 46.9	- 5 53	- 5606	5.50 B8	.009	+.022	5	15
93	γ Pavonis	21 18.2	-65 49	3918	4.30 F8	.814	+.124	7	23
94	λ Gruis	22 0.1	-40 2	14639	4.60 K2	.126	+.008	8	24
95	α Tucanae	22 11.7	-60 45	7561	2.91 K2	.087	+.013	8	26
96	τ Aquarii	22 44.3	-14 7	6354	4.21 K5	.040	.000	7	22
97	PGC 6042	23 24.4	- 5 5	5999	6.40 K2	.284	+.049	7	26
98	η Tucanae	23 52.3	-64 51	4391	5.16 A2	.116	+.031	10	29

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
51	-78	-49	.231	-76	+29	.166	+44	+57	.253	+56	-23	.350	10.5	4850	+.0500
52	-81	-57	.275	-64	+38	.175	+57	+57	.190	+63	-5	.360	10.9	4900	-500
53	-36	+12	.197	+4	-64	.407	+14	+59	.396				12.2	4900	-500
54	-50	+46	.309	-25	-58	.276	+47	-37	.195	+59	+42	.220	10.9	4900	-300
55	-62	+19	.223	-27	-36	.271	+31	+53	.228	+51	-24	.278	11.2	4900	-500
56	-49	+17	.242	-43	+40	.251	+30	-72	.250	+58	+15	.257	10.6	4900	-800
57	-62	+64	.184	-18	-47	.251	-7	-43	.299	+68	+48	.266	11.2	4900	-700
58	-85	-8	.251	-10	-41	.298	+53	+62	.208	+54	+5	.243	11.3	4900	-600
59	-68	-3	.217	-42	-35	.226	+25	+39	.270	+61	-7	.287	10.7	4900	-200
60	-93	-41	.146	-38	+36	.398	+39	-50	.122	+71	-7	.334	11.4	4900	-500
61	-48	+14	.396	+13	-45	.377	+62	+51	.227				10.4	4900	*
62	-28	0	.550	+18	-37	.194	+45	+28	.256				11.1	4900	-200
63	-48	+8	.245	-39	-64	.210	+36	-1	.221	+37	+36	.324	11.0	4900	-200
64	-59	-51	.184	-39	+23	.205	+21	-48	.278	+39	+54	.333	11.3	4900	-700
65	-46	+26	.506	+39	-51	.333	+64	+26	.161				10.4	4900	-400
66	-44	+70	.135	-29	-4	.284	+9	-27	.378	+53	+9	.203	10.8	4900	-500
67	-71	+32	.305	-50	-33	.234	+53	-31	.202	+87	+17	.259	11.1	4900	-300
68	-71	+56	.286	+24	+1	.478	+38	-69	.236				11.1	4900	-600
69	-83	+21	.182	-37	-6	.272	+38	-31	.338	+58	+39	.208	11.5	4900	-400
70	-59	-3	.337	+2	-68	.242	+46	+41	.421				11.0	4900	-600
71	-48	-46	.286	-39	+53	.239	+48	-4	.250	+48	+6	.225	11.8	4900	-600
72	-62	+45	.128	-55	+2	.270	+21	-50	.396	+71	+62	.206	11.7	4900	-500
73	-72	+11	.256	-19	-20	.198	+35	-31	.232	+44	+27	.314	10.5	4950	-400
74	-63	+13	.225	-48	-39	.296	+47	+44	.203	+68	-1	.276	10.6	5000	-500
75	-35	-24	.309	-30	+62	.211	+24	-38	.283	+53	+26	.197	9.6	4900	-300
76	-60	+57	.210	-54	-46	.278	+18	+64	.223	+82	-46	.289	10.1	4850	-400
77	-62	+39	.255	-49	-63	.241	+49	+43	.257	+60	-24	.247	10.5	5000	-600
78	-59	-43	.350	+26	-57	.213	+35	+62	.437				11.5	5100	-300
79	-65	+56	.226	-43	-29	.306	+26	+60	.199	+84	-59	.269	10.8	5000	-700
80	-63	+17	.304	+8	-24	.467	+67	+25	.229				10.2	4900	-400
81	-27	+69	.157	-9	-8	.542	+27	+62	.070	+31	-47	.231	11.0	4900	-500
82	-52	-51	.325	-49	+53	.261	+64	+28	.185	+78	-10	.229	11.2	4900	+800
83	-50	+26	.256	-36	-25	.180	+24	-47	.233	+41	+26	.331	10.4	4900	-200
84	-78	-24	.138	-68	+26	.161	+30	-49	.389	+32	+58	.312	11.1	4900	0
85	-43	+64	.253	-16	-22	.504	+77	+2	.090	+80	-34	.153	10.9	5100	-700
86	-31	-44	.259	-24	+44	.326	+28	-10	.186	+47	-5	.229	10.6	5100	-400
87	-40	-3	.418	+26	-18	.370	+37	+37	.212				10.3	5100	-300
88	-62	-22	.219	-57	+23	.216	+41	-33	.287	+50	+33	.278	10.7	5000	-700
89	-44	-29	.257	-42	+14	.320	+58	+53	.228	+59	-46	.195	10.9	5000	-800
90	-37	+23	.281	-30	-16	.186	+6	-25	.212	+45	+5	.321	11.9	5000	-400
91	-63	+14	.392	-7	-45	.223	+68	+12	.385				10.7	5000	-500
92	-38	-17	.283	-33	+60	.237	+23	0	.231	+54	-38	.249	10.8	5000	-400
93	-45	+67	.281	-11	-67	.315	+39	+6	.404				11.6	5000	-500
94	-70	-9	.284	0	-59	.151	+32	+41	.360	+40	-16	.205	11.4	5000	-500
95	-54	-58	.304	-32	+56	.261	+57	+7	.435				10.7	4800	0
96	-71	-33	.283	-6	-52	.191	+38	+9	.200	+41	+53	.326	10.4	5000	-300
97	-42	+47	.238	-42	+14	.294	+33	-60	.354	+91	+53	.114	10.0	5000	-1000
98	-63	-26	.214	-60	+32	.272	+57	-37	.225	+58	+18	.289	10.8	5000	-500

No.	p	p·t	p·t·t	p·P	p·P·t	p·P·P	p_π	p·m	p·t·m	p·P·m	c	μ	π
								mm	mm	mm	mm	mm	mm
51	15.2	+ 1.21	91.9	- 1.33	+ 1.26	10.59	10.45	- .1110	- .1505	+ .0416	- .00689	- .00159	+ .00325
52	12.0	- 2.52	82.3	- 1.33	- 0.99	8.03	7.86	+ .1161	+ .0721	- .0057	+ .01005	+ .00120	+ .00111
53	12.2	- 3.57	76.6	+ 0.59	- 0.51	8.29	8.26	+ .0808	- .0677	+ .0120	+ .00640	- .00058	+ .00096
54	13.0	- 1.10	88.3	+ 0.19	- 1.81	9.10	9.06	+ .1799	- .3339	+ .0336	+ .01350	- .00356	+ .00270
55	14.0	+ 2.65	97.2	- 0.07	- 0.55	9.72	9.72	+ .0954	+ .0437	+ .0112	+ .00677	+ .00027	+ .00121
56	14.6	+ 3.73	109.5	+ 0.64	- 0.30	9.59	9.56	+ .0729	- .0605	+ .0258	+ .00508	- .00072	+ .00233
57	12.6	- 1.34	90.5	- 0.18	+ 2.90	8.72	8.63	+ .0312	- .0466	+ .0094	+ .00244	- .00052	+ .00130
58	14.1	+ 3.32	93.2	- 0.48	+ 0.40	9.43	9.41	+ .0537	+ .1046	+ .0008	+ .00358	+ .00099	+ .00022
59	16.8	+ 3.92	114.5	- 0.41	- 0.38	11.15	11.14	+ .1358	+ .1162	+ .0085	+ .00793	+ .00075	+ .00108
60	11.4	+ 3.10	65.1	+ 0.11	+ 1.35	7.17	7.14	+ .0720	- .0751	+ .0064	+ .00671	- .00150	+ .00108
61	16.1	- 0.60	105.8	- 0.28	+ 3.56	10.77	10.65	+ .2085	+ .1509	+ .1690	+ .01326	- .01503	+ .01571
62	13.5	+ 0.67	86.4	- 0.20	+ 2.12	8.73	8.68	+ .0279	- .0148	+ .0019	+ .00208	- .00020	+ .00031
63	15.1	+ 7.10	112.9	- 0.60	- 0.25	10.25	10.23	+ .1614	- .1258	+ .0459	+ .01176	- .00184	+ .00512
64	13.8	+ 1.76	95.3	+ 0.02	+ 4.65	9.97	9.74	- .0044	- .1476	+ .0047	- .00012	- .00161	+ .00122
65	17.4	+ 5.30	102.7	+ 1.28	+ 1.59	12.58	12.48	+ .1422	- .1776	+ .0227	+ .00876	- .00220	+ .00119
66	15.7	+ 3.74	105.4	+ 0.87	+ 2.26	11.08	10.99	+ .1427	+ .1910	+ .0485	+ .00856	+ .00144	+ .00341
67	12.5	+ 4.19	87.0	- 0.18	+ 2.27	8.42	8.36	- .0037	+ .5669	+ .0646	- .00238	+ .00647	+ .00587
68	14.2	+ 6.42	95.5	- 1.12	+ 1.17	11.01	10.89	+ .1209	+ .0913	+ .0009	+ .00842	+ .00038	+ .00089
69	12.2	+ 4.25	88.6	- 0.41	+ 0.94	8.74	8.72	+ .0380	- .0312	+ .0025	+ .00331	- .00052	+ .00051
70	13.4	+ 9.63	84.4	- 0.34	+ 0.09	10.19	10.18	+ .0493	+ .0015	+ .0089	+ .00402	- .00044	+ .00101
71	15.6	+ 12.94	123.3	- 3.81	- 4.85	11.21	10.25	+ .0627	+ .0231	- .0027	+ .00451	- .00024	+ .00119
72	13.9	+ 14.46	105.8	- 2.87	- 2.77	9.68	9.09	+ .0897	+ .0541	- .0172	+ .00693	- .00043	+ .00016
73	13.4	+ 10.91	91.9	- 2.09	- 1.88	10.19	9.86	+ .0338	+ .0040	+ .0020	+ .00287	- .00028	+ .00073
74	13.8	- 2.34	109.7	- 3.87	+ 5.43	10.70	9.40	+ .1300	- .0463	- .0242	+ .00977	- .00029	+ .00143
75	15.9	- 3.88	91.8	- 0.32	+ 10.13	11.06	9.94	+ .1356	- .0635	+ .0062	+ .00844	- .00047	+ .00124
76	13.6	- 4.01	85.2	- 0.14	+ 5.23	9.12	8.80	+ .0327	- .0090	+ .0213	+ .00238	- .00014	+ .00245
77	15.6	+ 1.54	107.5	- 3.96	+ 2.64	11.55	10.45	+ .1394	+ .2727	- .0152	+ .00901	+ .00238	+ .00123
78	15.8	- 1.03	184.6	- 3.00	+ 6.37	10.54	9.76	- .1283	-1.1453	+ .0060	- .00814	- .00632	+ .00207
79	14.8	+ 1.37	130.5	- 4.72	+ 3.88	9.88	8.23	+ .1264	- .0449	- .0201	+ .00945	- .00052	+ .00269
80	13.1	- 1.71	80.4	- 1.29	+ 2.62	9.20	9.00	+ .0991	- .0703	+ .0068	+ .00767	- .00078	+ .00205
81	15.2	- 0.87	97.8	- 0.82	+ 5.33	10.44	10.11	+ .4144	- .5584	- .0168	+ .02713	- .00566	+ .00341
82	16.4	- 3.20	91.7	- 0.36	+ 4.67	11.65	11.41	- .0304	- .4109	+ .0249	- .00270	- .00478	+ .00396
83	14.9	+ 2.83	102.2	- 0.59	+ 5.59	10.31	9.97	+ .1583	- .1603	+ .0109	+ .01112	- .00203	+ .00280
84	15.2	+ 2.89	99.8	+ 0.07	+ 7.05	10.73	10.23	- .0250	- .6304	- .0146	- .00042	- .00651	+ .00291
85	16.0	- 2.27	106.5	- 2.61	+ 3.36	11.55	11.04	+ .0774	+ .0167	+ .0164	+ .00528	+ .00019	+ .00256
86	15.4	+ 5.45	108.3	- 2.24	+ 3.70	10.86	10.34	+ .0590	+ .0278	- .0072	+ .00383	+ .00006	+ .00011
87	15.6	+ 6.16	110.8	- 3.34	+ 5.75	11.93	10.75	+ .0573	+ .0228	- .0158	+ .00360	+ .00002	- .00033
88	15.1	- 3.95	107.1	+ 2.23	+ 4.39	12.34	11.78	+ .1195	+ .1406	+ .0692	+ .00775	+ .00145	+ .00368
89	15.2	+ 18.86	128.1	- 1.81	+ 0.32	13.01	12.73	- .0149	- .0055	+ .0214	- .00090	+ .00009	+ .00152
90	14.2	- 0.36	102.4	+ 2.42	+ 4.46	11.40	10.79	+ .0569	- .1124	+ .0284	+ .00361	- .00118	+ .00219
91	13.3	- 1.15	96.3	+ 2.61	+ 5.77	11.45	10.57	+ .0693	+ .0602	+ .0305	+ .00502	+ .00061	+ .00121
92	12.9	- 0.30	87.0	+ 1.55	+ 2.05	9.85	9.61	+ .0706	+ .0183	+ .0202	+ .00534	+ .00020	+ .00117
93	12.4	+ 2.56	84.8	+ 2.85	+ 1.45	9.81	9.14	+ .1586	+ .1442	+ .0977	+ .01102	+ .00125	+ .00658
94	13.8	+ 0.95	99.3	+ 3.00	+ 0.93	10.39	9.73	+ .1511	- .0844	+ .0363	+ .01092	- .00096	+ .00042
95	14.0	+ 0.71	99.7	- 0.50	+ 4.76	10.54	10.29	+ .0133	- .1445	- .0004	+ .00105	- .00149	+ .00069
96	15.1	- 1.71	171.4	+ 1.75	- 1.77	11.13	10.92	+ .0758	- .0335	+ .0092	+ .00501	- .00015	+ .00002
97	18.9	+ 10.43	126.1	+ 4.26	+ 7.03	14.08	12.94	+ .1763	+ .3965	+ .0849	+ .00742	+ .00239	+ .00260
98	12.9	+ 6.06	92.2	+ 1.65	- 0.99	9.19	8.94	+ .0681	+ .1131	+ .0217	+ .00463	+ .00094	+ .00163

(51) 6 Ceti $0^h 6^m.2$ $-16°1'$

J.D.	h	P	m	p	v
	min				
4475	+ 3	-.75	- 55	0.9	-".043
4483	+ 7	-.81	- 19	0.5	+ 34
4484	- 2	-.82	- 1	0.7	+ 70
4485	- 1	-.82	- 1	0.5	+ 70
4691	0	+.93	- 29	0.8	- 28
4692	+ 6	+.93	+ 12	0.6	+ 49
4696	+ 2	+.93	- 45	0.8	- 56
4697	+ 3	+.93	- 31	1.0	- 30
4829	+ 1	-.64	-111	1.0	- 45
4840	- 1	-.75	-106	1.0	- 28
4848	+ 2	-.82	- 98	0.9	- 4
4850	+ 2	-.83	- 76	0.8	+ 38
5058	+ 2	+.93	- 52	1.0	+ 38
5059	+ 3	+.93	- 83	0.6	- 21
5063	0	+.93	- 75	0.7	- 4
5068	- 2	+.91	- 22	0.6	+ 98
5199	+ 7	-.70	-134	0.7	+ 24
5206	+ 1	-.75	-155	0.5	- 11
5207	+ 2	-.76	-166	0.9	- 28
5215	+ 2	-.83	-158	0.7	- 9

(52) λ' Phoe $0^h 26^m.6$ $-49°21'$

J.D.	h	P	m	p	v
	min				
4476	+ 2	-.69	+ 61	0.6	+".038
4484	+ 2	-.77	+ 31	0.9	- 23
4485	- 3	-.79	+ 45	0.6	+ 8
4696	+ 1	+.93	+ 97	0.7	+ 19
4705	+ 4	+.92	+101	0.5	+ 26
4710	+ 3	+.91	+ 67	0.7	- 39
4711	0	+.91	+ 65	0.8	- 41
4844	- 2	-.74	+ 99	0.7	+ 24
4849	0	-.78	+ 77	0.8	- 15
4853	+ 5	-.81	+ 96	0.8	+ 19
5066	+ 1	+.93	+161	0.8	+ 58
5084	+ 3	+.87	+147	0.5	+ 26
5094	0	+.81	+112	0.7	- 38
5206	+ 6	-.70	+143	0.6	+ 24
5207	+ 3	-.71	+110	0.5	- 36
5214	+ 1	-.78	+140	1.0	+ 19
5217	+ 5	-.80	+103	0.8	- 49

(53) φ' Ceti $0^h 39^m.1$ $-11°9'$

J.D.	h	P	m	p	v
	min				
4475	- 3	-.66	+ 33	0.4	-".094
4484	+12	-.75	+109	0.5	+ 53
4486	+ 1	-.77	+ 89	1.0	+ 15
4710	+ 1	+.92	+ 91	0.8	+ 13
4711	+ 2	+.92	+ 92	1.0	+ 15
4714	- 2	+.91	+ 46	0.8	- 71
4715	+ 2	+.91	+ 79	0.8	- 9
4848	+ 4	-.75	+ 69	0.8	+ 17
4849	+ 1	-.75	+ 50	0.7	- 19
4850	- 2	-.76	+ 85	0.6	+ 47
5071	+ 6	+.93	+ 74	0.7	+ 21
5084	+ 4	+.89	+ 58	0.6	- 6
5091	+ 5	+.84	+ 74	0.6	+ 24
5094	- 2	+.83	+ 72	0.6	+ 21
5212	+ 6	-.74	- 16	0.9	- 103
5213	+ 8	-.74	+ 87	0.8	+ 90
5215	+ 3	-.76	+ 26	0.6	- 24

(54) φ^2 Ceti $0^h 45^m.1$ $-11°11'$

J.D.	h	P	m	p	v
	min				
4483	+ 7	-.73	+253	0.3	-".019
4485	+ 7	-.75	+291	0.5	+ 53
4486	+ 1	-.76	+243	1.0	- 36
4495	+ 4	-.83	+238	0.3	- 36
4704	0	+.94	+244	0.9	+ 26
4705	- 1	+.93	+233	0.8	+ 8
4710	+ 2	+.92	+212	0.8	- 30
4713	0	+.92	+243	0.7	+ 32
4840	+ 3	-.65	+141	1.0	+ 4
4850	- 1	-.75	+144	0.8	+ 21
5066	+ 2	+.94	+ 68	0.7	- 62
5068	+ 3	+.94	+111	0.6	+ 21
5070	+ 1	+.94	+108	0.7	+ 15
5076	0	+.92	+ 96	0.7	- 2
5206	+ 4	-.66	- 1	0.8	- 17
5215	+ 3	-.75	+ 13	0.9	+ 19
5222	- 1	-.81	- 11	0.6	- 17
5225	+ 1	-.82	0	0.9	+ 6

(55) ζ Ceti $1^h 46^m.5$ $-10°50'$

J.D.	h	P	m	p	v
	min				
4495	+ 6	-.70	+ 47	0.7	-".004
4497	0	-.72	+ 21	0.7	- 51
4499	- 1	-.74	- 8	0.4	- 103
4501	0	-.76	+ 80	0.5	+ 60
4716	- 1	+.95	+101	0.8	+ 51
4724	+ 4	+.95	+105	0.6	+ 60
4725	- 3	+.95	+ 57	1.0	- 32
4726	- 2	+.94	+ 76	0.6	+ 4
4867	0	-.77	+ 93	0.8	+ 68
4872	- 1	-.81	+ 67	0.6	+ 19
4874	+ 2	-.82	+ 46	0.6	- 21
5084	+ 2	+.95	+ 61	1.0	- 41
5091	+ 4	+.95	+ 85	0.6	+ 2
5105	- 1	+.89	+102	0.6	+ 32
5108	+ 3	+.87	+ 72	1.0	- 21
5225	+ 5	-.70	+ 79	0.8	+ 19
5227	+ 9	-.71	+ 70	0.8	+ 4
5229	+ 2	-.73	+ 72	1.0	+ 9
5234	- 2	-.78	+ 49	0.9	- 36

(56) δ Hydi $2^h 20^m.0$ $-69°7'$

J.D.	h	P	m	p	v
	min				
4495	+ 3	-.61	+ 89	0.8	+".043
4497	- 4	-.63	+131	0.6	+ 126
4499	+ 6	-.66	+ 54	0.6	- 21
4514	- 4	-.80	- 9	0.6	- 130
4725	- 1	+.96	+ 73	0.7	- 24
4726	- 9	+.96	+109	0.5	+ 43
4727	0	+.96	+ 81	0.8	- 6
4734	- 4	+.96	+ 57	0.6	- 53
4741	+ 4	+.93	+104	0.7	+ 38
4872	+ 3	-.74	+ 25	1.0	- 21
4881	- 2	-.83	+ 13	0.5	- 38
5112	+ 3	+.90	+ 52	0.8	- 8
5115	+ 3	+.89	+102	0.6	+ 85
5122	+ 1	+.83	+ 45	0.7	- 17
5125	- 2	+.81	+ 25	0.7	- 55
5127	- 3	+.80	+ 52	0.8	- 4
5229	+ 2	-.65	+ 22	1.0	+ 21
5234	+ 4	-.70	- 3	0.9	- 26
5243	0	-.79	+ 32	1.0	+ 45
5245	+ 2	-.81	- 5	0.7	- 23

(57) ρ Ceti $2^h21^m.1$ −12°44'

J.D.	h	P	m	p	v
	min				
4497	+ 3	−.63	+ 36	0.5	−".002
4503	0	−.70	+ 18	0.7	− 36
4506	+ 5	−.73	+ 10	0.8	− 47
4514	+ 5	−.80	+ 51	0.7	+ 30
4724	− 5	+.96	+ 28	0.5	− 32
4725	+ 2	+.96	+ 73	0.7	+ 51
4727	+ 4	+.96	+ 62	0.7	+ 32
4744	− 2	+.92	+ 31	0.8	− 26
4876	0	−.78	+ 18	0.7	+ 6
4881	+ 6	−.82	+ 67	0.5	+ 98
4882	+ 2	−.83	+ 21	0.7	+ 13
5091	+ 2	+.96	+ 6	0.8	− 39
5108	+ 3	+.93	+ 18	0.8	− 13
5122	+ 4	+.85	+ 41	0.5	+ 32
5129	− 1	+.78	+ 30	0.8	+ 15
5228	+ 7	−.63	+ 1	0.7	+ 2
5243	+ 1	−.79	− 8	0.7	− 8
5245	+ 4	−.81	− 8	0.6	− 9
5246	+ 5	−.81	− 27	0.4	− 41

(58) ζ Hydi $2^h44^m.0$ −68°2'

J.D.	h	P	m	p	v
	min				
4512	+ 6	−.74	− 5	0.8	".000
4516	− 6	−.78	− 13	0.8	− 17
4522	+ 4	−.83	+ 7	0.7	+ 21
4741	+ 1	+.96	+ 33	0.8	+ 21
4744	+ 5	+.95	+ 46	0.7	+ 47
4765	− 6	+.83	− 14	1.0	− 73
4767	+ 2	+.81	+ 43	0.8	+ 34
4867	+ 2	−.63	+ 35	0.6	+ 6
4872	+ 1	−.68	+ 9	0.7	− 41
4886	+ 1	−.82	+ 33	0.6	0
4887	+ 5	−.83	+ 56	0.5	+ 43
5105	+ 2	+.97	+ 63	0.6	+ 9
5117	+ 4	+.92	+ 54	0.5	− 9
5122	+ 1	+.89	+ 72	0.6	+ 23
5133	+ 5	+.81	+ 46	0.7	− 28
5140	− 3	+.73	+ 63	0.6	+ 2
5244	0	−.76	+ 76	0.8	+ 17
5245	+ 5	−.77	+ 61	0.9	− 13
5248	+ 6	−.80	+ 75	0.6	+ 11
5249	+ 4	−.80	+ 68	0.8	− 2

(59) β Forn $2^h44^m.9$ −32°50'

J.D.	h	P	m	p	v
	min				
4495	− 3	−.53	+ 11	0.5	−".060
4503	+ 4	−.64	+ 61	1.0	+ 34
4516	+ 5	−.78	+ 62	0.7	+ 38
4523	+ 9	−.83	+ 40	0.6	− 4
4735	+ 1	+.97	+ 96	0.6	+ 36
4746	− 6	+.94	+ 70	1.0	− 15
4750	+ 2	+.93	+ 51	0.6	− 51
4760	− 6	+.87	+ 88	0.7	+ 17
4765	− 2	+.83	+ 54	0.9	− 45
4872	+ 5	−.68	+ 59	1.0	− 21
4880	+ 2	−.76	+ 90	0.7	+ 38
4881	− 2	−.77	+ 60	0.6	− 21
4889	+ 5	−.84	+ 67	0.5	− 4
5108	+ 3	+.96	+ 125	0.9	+ 38
5112	− 1	+.94	+ 97	0.8	− 15
5125	− 1	+.87	+ 118	0.9	+ 23
5127	+ 3	+.86	+ 110	0.9	+ 9
5234	− 1	−.65	+ 88	0.8	− 17
5243	− 6	−.74	+ 95	1.0	− 6
5246	− 2	−.77	+ 100	0.5	+ 6
5250	− 5	−.81	+ 119	0.8	+ 41
5253	− 7	−.83	+ 70	0.8	− 49

(60) μ Horo $3^h1^m.3$ −60°8'

J.D.	h	P	m	p	v
	min				
4504	+ 14	−.59	+ 150	0.5	+".056
4515	+ 8	−.73	+ 118	0.6	+ 2
4527	− 1	−.84	+ 79	0.4	− 66
4765	+ 5	+.87	+ 75	0.7	− 39
4767	+ 10	+.86	+ 90	0.7	− 11
4769	+ 2	+.83	+ 107	0.6	+ 21
4774	− 3	+.80	+ 106	0.8	+ 21
4872	− 1	−.64	+ 75	0.6	+ 21
4886	+ 6	−.79	+ 49	0.7	− 21
4887	+ 4	−.80	+ 42	0.6	− 34
4893	+ 8	−.84	+ 75	0.6	+ 28
5117	− 1	+.95	+ 75	0.5	+ 55
5122	+ 6	+.92	+ 53	0.6	+ 17
5134	+ 5	+.84	+ 49	0.5	+ 15
5143	+ 6	+.76	+ 11	0.5	− 53
5145	− 2	+.74	+ 11	0.5	− 51
5243	+ 3	−.70	+ 15	0.7	+ 13
5245	+ 3	−.72	+ 9	0.6	+ 4
5248	+ 2	−.76	+ 7	0.7	0

(61) ε Erid $3^h28^m.2$ −9°48'

J.D.	h	P	m	p	v
	min				
4512	+ 8	−.62	+ 15	0.8	+".034
4516	− 8	−.67	+ 7	0.9	+ 30
4527	+ 5	−.79	+ 8	0.6	+ 66
4528	− 1	−.80	− 65	0.9	− 66
4741	− 7	+.98	+ 269	0.5	− 6
4744	− 2	+.98	+ 264	0.8	− 13
4760	0	+.94	+ 252	0.8	− 28
4764	− 4	+.93	+ 282	0.8	+ 30
4769	− 2	+.90	+ 241	0.8	− 36
4876	+ 3	−.61	− 4	0.8	− 73
4886	− 3	−.73	+ 16	1.0	− 2
4891	+ 1	−.78	+ 2	0.8	− 13
4896	+ 1	−.82	+ 34	0.6	+ 56
5125	0	+.95	+ 338	0.6	+ 64
5127	+ 2	+.94	+ 308	0.8	+ 11
5130	− 1	+.93	+ 322	0.8	+ 39
5143	+ 1	+.83	+ 263	1.0	− 45
5243	0	−.63	+ 90	0.9	+ 45
5249	+ 4	−.71	+ 31	0.6	− 47
5253	+ 1	−.74	+ 42	0.7	− 17
5265	0	−.85	+ 34	0.6	− 2

(62) $3^h33^m.5$ −40°36'

J.D.	h	P	m	p	v
	min				
4504	+ 1	−.50	0	0.7	−".051
4520	− 2	−.71	+ 49	0.8	+ 43
4528	+ 5	−.79	+ 14	1.0	− 23
4756	− 1	+.97	+ 35	0.8	+ 15
4769	− 1	+.91	+ 10	0.9	− 30
4774	− 1	+.87	0	0.8	− 49
4776	− 8	+.85	+ 47	0.7	+ 39
4880	+ 4	−.65	+ 33	0.7	+ 26
4889	+ 5	−.74	+ 50	0.6	+ 58
4891	+ 1	−.77	+ 15	0.6	− 6
4894	0	−.80	+ 33	0.8	+ 26
5112	+ 1	+.98	+ 24	0.5	+ 8
5117	− 2	+.98	+ 40	0.5	+ 38
5134	+ 2	+.91	+ 16	0.8	− 6
5145	− 2	+.82	+ 26	0.8	+ 15
5244	0	−.63	+ 13	0.8	+ 2
5249	+ 4	−.70	− 11	0.7	− 43
5256	+ 3	−.77	0	1.0	− 23

(63) δ Erid $3^h38^m.5$ −10°6'

J.D.	h (min)	P	m	p	v
4506	− 4	−.51	+189	0.6	+".047
4515	− 1	−.63	+148	0.9	− 17
4527	+ 2	−.77	+177	0.6	+ 55
4531	+ 6	−.82	+134	0.6	− 17
4750	+ 6	+.98	+218	0.6	+ 43
4760	− 4	+.96	+180	0.8	− 24
4764	+ 1	+.95	+194	0.7	+ 4
4774	− 1	+.88	+152	0.9	− 64
4886	− 1	−.71	+100	0.9	+ 30
4891	+ 1	−.75	+ 71	0.8	− 21
4898	0	−.82	+ 29	0.5	− 88
5125	+ 5	+.97	+164	0.6	+ 71
5129	− 3	+.95	+105	0.7	− 36
5133	0	+.93	+117	0.6	− 11
5140	+ 4	+.89	+123	0.6	+ 6
5150	− 5	+ 79	+125	0.9	+ 24
5250	+ 4	−.69	+ 22	0.9	+ 8
5253	− 4	−.72	+ 1	0.8	− 26
5264	− 2	−.83	+ 12	0.9	+ 6
5266	− 1	−.85	+ 35	0.7	+ 53
5267	− 1	−.85	− 25	0.5	− 56

(64) $3^h39^m.1$ −37°38'

J.D.	h (min)	P	m	p	v
4522	+ 3	−.72	+ 50	0.4	−".002
4532	+10	−.81	+ 59	0.7	+ 21
4536	+ 4	−.85	+ 37	0.8	− 21
4537	+ 8	−.85	+ 56	1.0	+ 17
4756	+ 2	+.97	+ 33	1.0	0
4769	0	+.92	0	0.7	− 58
4775	+ 1	+.88	+ 32	0.7	+ 4
4776	− 7	+.87	+ 12	0.8	− 34
4887	+ 2	−.71	+ 2	0.8	+ 19
4893	+ 1	−.78	− 24	0.6	− 24
4898	+ 6	−.82	+ 19	0.5	+ 56
5122	+ 1	+.97	+ 8	0.6	+ 62
5130	+ 4	+.94	+ 11	1.0	+ 71
5134	+ 3	+.92	− 29	0.7	− 2
5145	0	+.84	− 56	0.9	− 47
5248	+ 5	−.67	− 77	0.7	− 23
5253	+ 4	−.72	− 61	0.6	+ 11
5264	+ 4	−.83	− 58	0.5	+ 23
5265	+ 7	−.84	−100	0.8	− 56

(65) α Cael $4^h37^m.3$ −42°3'

J.D.	h (min)	P	m	p	v
4522	+11	−.55	+227	0.6	+".118
4532	− 2	−.68	+156	0.9	− 9
4549	+ 7	−.86	+154	0.5	0
4550	+ 4	−.87	+200	0.5	+ 85
4767	− 5	+.99	+121	1.0	− 13
4769	− 3	+.99	+111	1.0	− 34
4775	+ 2	+.97	+116	1.0	− 21
4791	− 1	+.87	+124	0.8	+ 4
4795	− 1	+.84	+ 97	1.0	− 45
4891	+ 1	−.61	+ 78	1.0	− 8
4902	+ 1	−.74	+ 58	0.7	− 39
4919	+ 3	−.90	+ 31	1.0	− 79
4921	+ 8	−.91	+ 80	0.8	+ 17
5133	+ 2	+.99	+ 66	0.5	+ 32
5145	+ 2	+.95	+ 23	0.9	− 39
5157	+ 6	+.87	+ 56	0.8	+ 28
5159	+ 6	+.85	+ 62	0.9	+ 39
5163	0	+.81	+ 85	0.8	+ 86
5264	+ 1	−.70	− 11	1.0	− 21
5268	+ 3	−.75	0	0.8	− 4
5286	+ 5	−.91	− 1	0.9	+ 15

(66) 58 Erid $4^h43^m.1$ −17°7'

J.D.	h (min)	P	m	p	v
4536	+ 9	−.71	− 15	0.8	−".047
4537	+ 2	−.73	+ 34	1.0	+ 49
4541	0	−.77	− 3	0.6	− 21
4557	+ 8	−.91	+ 38	0.5	+ 62
4769	− 3	+.99	+114	0.9	+ 24
4774	− 2	+.98	+121	0.9	+ 39
4776	− 5	+.97	+ 90	0.8	− 21
4790	− 1	+.89	+ 85	0.8	− 26
4795	− 1	+.86	+114	0.9	+ 26
4892	− 1	−.61	+ 33	0.9	− 56
4902	0	−.73	+ 9	0.5	− 98
4912	0	−.83	+ 57	0.9	− 4
5143	0	+.97	+157	0.6	+ 6
5147	− 4	+.95	+158	0.6	+ 11
5157	+ 8	+.88	+164	0.8	+ 21
5160	+ 1	+.86	+117	0.7	− 66
5175	− 8	+.70	+141	0.7	− 13
5265	+ 2	−.70	+109	1.0	− 9
5273	+ 3	−.78	+117	0.9	+ 9
5286	+ 3	−.91	+147	0.9	+ 70

(67) π^3 Orio $4^h44^m.4$ +6°47'

J.D.	h (min)	P	m	p	v
4527	+ 5	−.60	−271	0.7	+".053
4531	+ 5	−.66	−307	0.6	− 9
4541	+ 6	−.77	−320	0.6	− 36
4558	+ 8	−.92	−317	0.5	− 34
4775	+ 2	+.98	− 57	0.7	− 19
4790	+ 3	+.90	− 30	0.8	+ 21
4791	− 1	+.89	− 43	0.8	0
4801	+ 3	+.80	− 40	0.7	+ 2
4898	0	−.68	− 76	0.5	− 21
4910	+ 1	−.81	− 40	0.7	+ 49
4919	+ 5	−.88	− 74	0.8	− 21
5143	+ 4	+.97	+193	0.5	+ 6
5150	+ 1	+.94	+173	0.7	− 38
5175	− 3	+.70	+211	1.0	+ 30
5178	− 8	+.66	+188	0.7	− 13
5264	+ 1	−.69	+164	0.8	− 13
5285	+11	−.90	+193	0.8	+ 39
5287	− 1	−.91	+155	0.6	− 36

(68) 64 Erid $4^h55^m.3$ −12°41'

J.D.	h (min)	P	m	p	v
4527	+ 3	−.57	+ 94	0.8	+".053
4551	− 6	−.85	+ 40	0.6	− 43
4557	+11	−.90	+ 68	0.6	+ 9
4559	+ 7	−.91	+ 89	0.5	+ 49
4774	+ 6	+.99	+ 81	0.7	− 13
4776	− 2	+.99	+ 96	0.8	+ 13
4790	+ 3	+.92	+ 74	0.8	− 26
4791	+ 6	+.91	+ 63	0.7	− 47
4910	− 1	−.79	+155	0.4	+ 147
4912	0	−.81	+ 88	0.8	+ 21
4919	+ 1	−.86	+ 24	0.8	− 102
4923	− 2	−.90	+ 52	0.9	− 47
5143	+ 2	+.98	+100	0.6	− 4
5150	+ 7	+.95	+132	0.6	+ 58
5154	+ 3	+.93	+115	1.0	+ 24
5159	+ 2	+.89	+ 92	0.8	− 21
5264	+ 7	−.66	+ 98	0.7	+ 11
5285	+ 5	−.87	+105	0.6	+ 26
5286	+ 3	−.89	+ 86	0.6	− 9
5291	+ 4	−.92	+ 85	0.9	− 11

(69) 29 Orio $5^h19^m.1$ $-7°54'$

J.D.	h	P	m	p	v
	min				
4536	+ 7	-.62	+ 52	0.8	+".004
4549	+ 6	-.79	+ 70	0.5	+ 43
4553	+ 1	-.82	+ 70	0.6	+ 43
4557	- 2	-.85	+ 23	0.6	- 45
4790	- 1	+.95	+ 25	0.8	- 36
4795	- 4	+.93	+ 27	0.8	- 30
4796	0	+.92	+ 69	0.5	+ 49
4800	- 6	+.88	+ 72	1.0	+ 56
4910	+ 1	-.73	+ 26	0.5	- 4
4919	- 1	-.83	+ 2	0.6	- 49
4922	+ 3	-.85	- 16	0.6	- 83
5150	+ 3	+.98	+ 24	0.7	- 2
5154	- 1	+.96	- 7	0.6	- 60
5185	- 7	+.68	- 1	0.7	- 41
5186	- 6	+.66	+ 67	0.5	+ 86
5285	+ 3	-.83	+ 10	0.8	+ 2
5287	+ 4	-.85	+ 28	0.7	+ 36
5291	+ 1	-.88	+ 22	0.9	+ 23

(70) β Leps $5^h24^m.0$ $-20°50'$

J.D.	h	P	m	p	v
	min				
4541	+ 2	-.67	+ 85	0.5	+".068
4550	+ 5	-.78	+ 32	0.6	- 28
4557	+ 2	-.85	- 18	0.6	- 122
4790	+ 2	+.95	+ 48	0.8	- 15
4796	+ 3	+.93	+ 43	0.7	- 21
4799	+ 2	+.90	+ 82	0.5	+ 55
4800	- 3	+.89	+ 67	1.0	+ 26
4912	- 3	-.74	+ 52	0.7	+ 36
4918	0	-.81	+ 62	0.6	+ 58
4921	0	-.84	+ 39	1.0	+ 15
4924	+ 5	-.86	+ 41	0.7	+ 21
5152	+ 1	+.97	+ 60	0.8	+ 38
5159	+ 3	+.94	- 5	0.7	- 81
5160	+ 1	+.93	+ 47	0.7	+ 17
5163	- 1	+.91	+ 28	0.9	- 17
5285	+ 7	-.82	+ 29	0.9	+ 26
5291	+ 2	-.87	+ 7	0.8	- 13
5292	0	-.88	- 9	0.9	- 43

(71) κ Colm $6^h13^m.0$ $-35°6'$

J.D.	h	P	m	p	v
	min				
4550	+ 4	-.65	+ 31	0.6	-".026
4557	0	-.73	+ 21	0.7	- 43
4566	+ 4	-.82	+ 56	1.0	+ 24
4576	+ 6	-.92	+ 54	0.5	+ 23
4800	- 9	+.96	+ 58	1.0	- 2
4804	- 8	+.94	+ 86	0.6	+ 53
4814	- 5	+.87	+ 45	0.7	- 23
4817	+ 2	+.84	+ 46	0.6	- 21
4921	- 1	-.72	+ 57	1.0	+ 41
4928	+ 2	-.80	+ 58	0.9	+ 45
4944	+ 4	-.93	- 16	0.6	- 92
4945	+ 1	-.94	+ 29	0.7	- 8
5175	+ 4	+.90	+ 72	0.5	+ 43
5185	+ 1	+.82	+ 46	0.9	- 4
5195	0	+.71	+ 72	0.5	+ 49
5196	0	+.70	+ 8	0.7	- 71
5287	+ 2	-.73	+ 29	0.5	+ 2
5303	+ 3	-.88	+ 31	0.8	+ 11
5305	+ 1	-.90	+ 21	0.8	- 6
5307	+ 6	-.92	+ 30	1.0	+ 11
5308	+ 1	-.93	+ 15	1.0	- 17

(72) π^2 Dora $6^h26^m.3$ $-69°38'$

J.D.	h	P	m	p	v
	min				
4550	+ 4	-.61	+ 85	0.5	+".004
4557	- 1	-.70	+ 66	0.5	- 32
4584	+ 2	-.95	+ 88	0.6	+ 9
4585	+ 3	-.95	+ 83	0.5	+ 2
4814	- 3	+.89	+ 59	0.7	- 28
4817	+ 3	+.86	+ 107	0.5	+ 60
4829	+ 5	+.75	+ 62	0.7	- 21
4830	+ 4	+.74	+ 56	0.8	- 32
4935	+ 4	-.83	+ 106	0.4	+ 73
4943	+ 6	-.91	+ 68	0.9	+ 4
4944	+ 1	-.91	+ 32	0.8	- 64
4949	+ 7	-.94	+ 113	0.7	+ 86
5187	+ 6	+.83	+ 66	0.8	+ 15
5193	+ 2	+.76	+ 73	1.0	+ 30
5194	+ 7	+.75	+ 36	0.5	- 41
5204	+ 4	+.62	+ 69	0.6	+ 23
5294	+ 4	-.77	+ 26	0.7	- 47
5305	+ 4	-.88	+ 50	0.7	- 4
5307	+ 7	-.89	+ 63	1.0	+ 24
5308	+ 2	-.90	+ 34	1.0	- 30

(73) δ Mono $7^h6^m.8$ $-0°20'$

J.D.	h	P	m	p	v
	min				
4600	- 4	-.97	+ 21	0.6	-".021
4601	- 5	-.98	+ 73	0.7	+ 77
4604	+ 10	-.99	+ 31	0.5	0
4821	+ 3	+.91	+ 33	0.6	- 13
4823	+ 1	+.89	+ 39	0.7	0
4830	- 2	+.83	+ 3	0.7	- 64
4840	- 7	+.73	+ 38	0.7	+ 2
4943	- 1	-.82	+ 10	0.8	- 24
4944	0	-.83	+ 23	0.9	+ 2
4963	- 3	-.96	+ 7	0.6	- 28
5187	+ 1	+.90	+ 20	0.9	- 17
5193	- 3	+.85	+ 63	0.8	+ 68
5198	- 6	+.80	+ 27	0.8	- 2
5213	- 5	+.63	+ 45	0.6	+ 34
5306	+ 5	-.80	- 3	1.0	- 28
5316	+ 1	-.88	+ 14	0.8	+ 2
5320	+ 2	-.92	+ 59	0.7	+ 88
5327	- 2	-.96	- 17	1.0	- 51

(74) α Mono $7^h36^m.5$ $-9°19'$

J.D.	h	P	m	p	v
	min				
4587	+ 2	-.84	+ 183	0.4	+".162
4595	+ 4	-.90	+ 137	0.6	+ 75
4596	- 3	-.91	+ 33	1.0	- 120
4597	- 5	-.92	+ 78	0.9	- 34
4604	+ 8	-.96	+ 104	0.6	+ 19
4830	- 3	+.88	+ 99	0.7	- 32
4840	+ 4	+.80	+ 100	0.7	- 24
4849	+ 3	+.70	+ 125	0.9	+ 24
4949	+ 1	-.81	+ 99	0.8	+ 23
4965	+ 5	-.93	+ 92	0.8	+ 11
4977	+ 4	-.99	+ 150	0.4	+ 122
5193	- 2	+.90	+ 139	0.8	+ 66
5198	+ 3	+.86	+ 103	0.7	- 2
5205	+ 4	+.79	+ 98	0.7	- 9
5213	+ 1	+.71	+ 76	0.6	- 49
5318	+ 4	-.84	+ 61	0.7	- 28
5329	- 1	-.93	+ 32	0.6	- 83
5332	+ 1	-.94	+ 92	0.7	+ 30
5339	+ 4	-.98	+ 58	0.6	- 30
5340	+ 3	-.98	+ 94	0.6	+ 39

(75) II Pupp $7^h 52^m.6$ $-22°37'$

J.D.	h	P	m	p	v
	min				
4475	+ 5	+.82	+175	0.3	+".115
4479	+ 7	+.79	+ 82	0.5	- 62
4484	- 4	+.73	+100	0.3	- 23
4485	+ 4	+.72	+181	0.2	+130
4592	+ 8	-.84	+ 67	1.0	- 41
4595	+ 3	-.87	+ 73	0.9	- 26
4601	- 3	-.92	+ 98	1.0	+ 21
4604	+ 3	-.94	+ 98	0.6	+ 21
4840	- 2	+.83	+110	0.7	+ 24
4848	+ 2	+.75	+ 96	0.8	+ 2
4859	+ 1	+.61	+ 87	1.2	- 15
4860	- 9	+.60	+ 88	1.0	- 9
4965	+ 2	-.90	+ 94	1.0	+ 45
4976	+ 2	-.97	+ 80	1.1	+ 21
4980	0	-.98	+ 72	1.0	+ 8
4982	+ 1	-.98	+ 38	0.7	- 56
5198	+ 1	+.88	+ 93	0.5	+ 21
5204	+ 3	+.83	+ 75	1.0	- 9
5206	+ 1	+.82	+ 77	1.1	- 6
5215	+ 6	+.73	+ 76	1.0	- 6

(76) d Velr $8^h 40^m.8$ $-42°17'$

J.D.	h	P	m	p	v
	min				
4486	+ 6	+.82	+154	0.2	+".199
4496	+ 8	+.72	+ 73	0.5	+ 49
4501	+ 5	+.66	+ 60	0.7	+ 28
4503	+ 6	+.63	+ 3	0.9	- 77
4600	+ 8	-.80	- 2	0.7	- 19
4605	+ 1	-.84	- 10	1.0	- 30
4609	0	-.87	- 3	0.8	- 17
4621	+ 3	-.95	+ 10	1.0	+ 11
4850	0	+.83	+ 62	0.8	+ 34
4859	+ 2	+.75	+ 38	0.7	- 8
4860	+ 1	+.74	+ 41	0.5	0
4865	0	+.67	+ 38	0.8	- 4
4982	+ 1	-.92	+ 29	0.7	+ 55
4983	+ 1	-.93	- 17	0.8	- 30
4996	+ 4	-.97	- 10	0.6	- 15
4997	+ 3	-.97	+ 39	0.6	+ 79
5213	+ 4	+.84	+ 46	0.3	+ 11
5215	+ 5	+.83	+ 47	0.6	+ 15
5223	+ 4	+.76	+ 17	0.8	- 39
5224	+ 1	+.75	+ 22	0.6	- 28

(77) $9^h 22^m.7$ $-21°54'$

J.D.	h	P	m	p	v
	min				
4623	+ 8	-.89	- 13	0.8	-".006
4629	+ 7	-.92	- 18	1.0	- 17
4634	- 3	-.94	- 5	0.6	+ 8
4644	+ 5	-.96	+ 14	0.9	+ 39
4860	0	+.82	+ 79	0.7	+ 23
4865	- 4	+.77	+ 29	1.0	- 71
4873	+ 2	+.69	+ 75	0.8	+ 13
4876	0	+.65	+ 61	0.8	- 13
4978	- 6	-.82	+ 60	0.7	- 28
4996	- 3	-.93	+ 94	0.6	+ 30
4997	+ 2	-.93	+109	0.6	+ 56
4998	+ 4	-.93	+ 72	1.0	- 13
5223	+ 1	+.83	+184	0.8	+ 58
5224	+ 2	+.83	+121	0.6	- 60
5229	+ 2	+.78	+157	0.6	+ 4
5235	+ 4	+.72	+183	0.9	+ 53
5357	- 1	-.91	+166	0.8	+ 4
5361	+ 1	-.93	+174	0.7	+ 17
5362	+ 2	-.93	+166	1.0	+ 2
5371	- 4	-.95	+120	0.7	- 88

(78) α Crat $10^h 54^m.9$ $-17°46'$

J.D.	h	P	m	p	v
	min				
4537	- 2	+.60	+319	0.5	+".062
4538	+ 3	+.59	+266	0.6	- 38
4643	0	-.84	+173	1.0	- 32
4655	- 1	-.90	+166	0.8	- 28
4657	- 2	-.91	+191	1.0	+ 21
4892	+ 4	+.72	+ 76	0.7	+ 23
4893	+ 3	+.71	+ 30	0.5	- 66
4895	- 3	+.69	+ 41	0.7	- 41
5032	+ 1	-.93	- 52	0.9	+ 11
5034	+ 5	-.94	- 41	0.9	+ 32
5035	+ 1	-.94	- 4	0.6	+103
5255	0	+.73	-114	0.7	+ 96
5267	0	+.61	-180	0.8	- 11
5268	- 7	+.60	-189	0.9	- 24
5384	+ 1	-.90	-305	1.0	- 49
5395	+ 2	-.94	-279	0.9	+ 13
5397	+ 3	-.93	-285	1.0	+ 4
5398	- 5	-.93	-338	0.5	- 92
5616	+ 4	+.78	-384	1.0	+ 13
5624	+ 3	+.70	-405	0.8	- 11

(79) $11^h 2^m.4$ $-61°53'$

J.D.	h	P	m	p	v
	min				
4538	+ 4	+.61	+141	0.6	+".011
4643	0	-.82	+ 60	1.0	- 58
4648	+ 2	-.86	+ 84	0.8	- 11
4656	- 1	-.89	+117	1.0	+ 55
4657	+ 3	-.90	+ 83	0.5	- 11
4665	+ 3	-.93	+ 81	0.8	- 11
4891	0	+.74	+109	0.6	- 21
4893	+ 1	+.73	+114	0.5	- 13
4905	- 8	+.60	+113	0.7	- 4
5024	0	-.91	+ 77	0.8	+ 13
5031	+ 1	-.93	+ 70	0.7	- 6
5034	+ 2	-.93	+100	0.8	+ 60
5249	0	+.80	+ 77	0.6	- 49
5267	+ 6	+.63	+ 92	0.8	- 9
5269	- 1	+.61	+135	0.7	+ 71
5270	+ 2	+.60	+102	1.0	+ 11
5376	+ 3	-.84	+ 35	0.8	- 32
5395	+ 6	-.94	+ 42	0.6	- 11
5397	+ 7	-.93	+ 47	0.7	- 2
5398	+ 2	-.93	+ 41	0.8	- 15

(80) η Crat $11^h 50^m.9$ $-16°36'$

J.D.	h	P	m	p	v
	min				
4536	+ 8	+.76	+165	0.4	+".083
4537	+ 2	+.75	+137	0.7	+ 34
4538	+ 7	+.75	+138	0.4	+ 34
4541	+ 7	+.71	+ 99	0.5	- 39
4662	+ 2	-.85	+ 77	0.8	- 2
4669	+ 2	-.89	+ 64	0.5	- 24
4671	+ 7	-.90	+ 58	0.8	- 36
4687	+ 6	-.93	+ 83	1.2	+ 17
4891	- 2	+.84	+ 74	0.6	- 39
4892	0	+.83	+ 78	0.7	- 32
4905	- 4	+.73	+ 71	0.9	- 38
5036	0	-.90	+ 68	0.7	+ 38
5042	+ 3	-.92	+ 49	0.8	+ 4
5045	- 1	-.93	+ 41	0.9	- 9
5048	- 1	-.93	+ 45	1.0	- 2
5267	+ 2	+.76	+ 59	0.8	- 9
5270	+ 5	+.74	+ 83	0.7	+ 39
5277	+ 5	+.66	+ 67	0.7	+ 9

(81) η Corv $12^h26^m.9$ $-15°38'$

J.D.	h min	P	m	p	v
4537	+ 2	+.83	+517	0.4	+".024
4538	+ 4	+.82	+517	0.6	+ 24
4541	+ 4	+.80	+491	0.5	- 21
4543	+ 7	+.79	+492	0.4	- 15
4550	- 5	+.72	+455	0.4	- 73
4671	+ 1	-.85	+391	0.9	+ 34
4678	+ 6	-.89	+358	0.6	- 15
4681	- 1	-.90	+351	0.9	- 24
4687	+ 5	-.92	+328	0.8	- 62
4696	+ 6	-.93	+352	0.9	- 4
4905	- 1	+.81	+315	0.9	+ 36
4919	- 1	+.68	+334	0.9	+ 94
4922	+ 2	+.66	+261	0.8	- 38
5043	+ 4	-.89	+170	0.9	+ 19
5045	+ 8	-.90	+164	0.7	+ 9
5048	+ 8	-.90	+169	0.8	+ 24
5059	+ 4	-.93	+157	0.9	+ 15
5267	+ 4	+.83	+ 59	0.6	- 62
5271	+ 6	+.81	+ 94	0.6	+ 9
5277	+ 5	+.76	+ 93	0.9	+ 17
5292	- 1	+.60	+ 34	0.8	- 66

(82) $13^h6^m.5$ $-37°16'$

J.D.	h min	P	m	p	v
4543	+ 5	+.87	+230	0.5	+".098
4550	+ 5	+.82	+164	0.3	- 17
4553	+ 5	+.80	+171	0.5	0
4559	+ 4	+.75	+175	0.6	+ 17
4565	+ 6	+.69	+189	0.5	+ 55
4680	- 3	-.84	+ 40	1.1	- 9
4681	- 1	-.85	+ 15	0.8	- 55
4689	- 5	-.89	+ 33	0.8	- 11
4697	+ 2	-.93	+ 55	1.0	+ 41
4704	- 2	-.94	+ 21	0.9	- 17
4912	+ 1	+.84	- 27	0.9	- 51
4916	- 4	+.81	- 10	1.0	- 13
4919	- 2	+.79	- 41	0.9	- 68
4921	- 3	+.77	- 9	1.0	- 4
5048	+ 2	-.86	-153	0.7	- 39
5059	- 4	-.91	-109	0.8	+ 56
5060	- 2	-.92	-121	0.9	+ 34
5064	0	-.93	-151	0.9	- 17
5277	- 3	+.84	-128	0.8	+ 86
5288	- 3	+.76	-201	0.7	- 36
5292	- 4	+.72	-185	0.8	0

(83) 69 Virg $13^h22^m.1$ $-15°27'$

J.D.	h min	P	m	p	v
4550	+ 6	+.85	+226	0.4	+".036
4553	+ 6	+.83	+243	0.5	+ 73
4557	+10	+.80	+174	0.4	- 55
4559	+ 9	+.79	+199	0.4	- 6
4565	+ 7	+.73	+217	0.5	+ 34
4680	+ 2	-.81	+ 95	1.2	- 73
4687	+ 3	-.87	+127	1.0	- 6
4699	+ 3	-.92	+151	0.8	+ 47
4704	+ 7	-.94	+103	0.9	- 41
4912	- 2	+.87	+132	0.9	- 2
4919	- 1	+.83	+140	0.6	+ 17
4924	+ 1	+.79	+125	0.7	- 6
5052	+ 6	-.86	+ 68	1.0	+ 23
5056	+ 1	-.88	+ 77	0.7	+ 43
5059	+ 1	-.90	+ 78	0.9	+ 45
5071	+ 5	-.94	+ 50	0.8	- 2
5288	+ 1	+.80	+ 44	0.6	- 19
5292	0	+.76	+ 44	0.8	- 15
5300	+ 2	+.69	+ 37	1.0	- 23
5306	0	+.62	+ 46	0.8	0

(84) I Cent $13^h40^m.0$ $-32°32'$

J.D.	h min	P	m	p	v
4553	- 4	+.86	+258	0.3	+".021
4557	+ 8	+.84	+195	0.4	- 88
4559	+ 1	+.83	+245	0.6	+ 6
4565	- 2	+.78	+253	0.4	+ 30
4576	+ 4	+.68	+262	0.4	+ 66
4687	+ 1	-.84	+103	0.9	- 15
4688	- 4	-.84	+140	0.7	+ 56
4704	+ 2	-.93	+ 96	0.7	0
4710	+ 5	-.94	+ 66	1.0	- 51
4711	+ 4	-.94	+ 76	0.8	- 30
4916	- 4	+.88	+ 7	1.0	- 9
4919	0	+.86	+ 30	1.0	+ 39
4921	- 1	+.85	- 7	0.8	- 26
5048	+ 1	-.80	- 96	0.7	+ 53
5056	+ 2	-.86	-110	0.7	+ 39
5064	0	-.91	-130	0.8	+ 13
5069	- 6	-.93	-158	0.8	- 32
5292	- 3	+.81	-228	0.7	+ 13
5302	+ 2	+.72	-235	0.8	+ 19
5306	+ 4	+.67	-245	0.7	+ 9
5307	- 7	+.67	-280	1.0	- 56

(85) ι Virg $14^h10^m.8$ $-5°31'$

J.D.	h min	P	m	p	v
4693	+ 5	-.82	+ 26	0.8	+".006
4695	0	-.84	+ 16	0.7	- 13
4704	- 1	-.90	+ 2	0.7	- 39
4711	- 2	-.93	+ 37	0.9	+ 28
4927	+ 1	+.86	+ 69	1.0	- 6
4933	- 2	+.83	+ 2	0.4	- 130
4943	+ 4	+.75	+ 66	1.0	- 6
4945	+ 3	+.73	+ 95	0.6	+ 51
4947	- 4	+.71	+ 60	0.6	- 15
5056	+ 3	-.81	+ 57	0.9	+ 49
5076	+ 2	-.93	+ 26	0.7	- 6
5080	+ 2	-.94	+ 37	0.8	+ 15
5081	+ 3	-.94	+ 33	0.6	+ 8
5300	0	+.82	+ 79	1.0	+ 4
5302	+ 4	+.79	+117	0.7	+ 75
5307	+ 1	+.76	+ 66	0.8	- 19
5308	+ 3	+.75	+ 75	0.9	- 2
5434	+ 2	-.90	+ 6	0.6	- 56
5437	0	-.91	+ 27	0.7	- 17
5439	0	-.92	+ 38	0.8	+ 6
5444	+ 1	-.94	+ 31	0.8	- 6

(86) κ TriA $15^h45^m.6$ $-68°18'$

J.D.	h min	P	m	p	v
4710	+ 2	-.78	+ 55	0.6	+".036
4714	- 2	-.81	+ 39	1.0	+ 8
4716	- 3	-.82	+ 16	0.6	- 36
4737	+ 2	-.96	+ 23	0.7	- 23
4963	+ 7	+.81	+ 36	0.6	- 4
4965	- 2	+.79	+ 30	0.7	- 17
4968	0	+.77	+ 45	0.7	+ 13
4972	- 1	+.72	+ 42	0.9	+ 8
5094	+ 2	-.92	+ 39	0.9	+ 4
5096	+ 2	-.94	+ 38	1.0	+ 2
5107	+12	-.98	+ 41	0.6	+ 6
5329	+ 8	+.80	+ 45	0.8	+ 9
5331	+ 7	+.79	+ 56	1.0	+ 30
5336	- 2	+.74	+ 59	0.5	+ 36
5337	+ 4	+.73	+ 23	0.8	- 32
5339	- 6	+.70	+ 22	1.0	- 36
5451	+ 3	-.87	+ 58	0.9	+ 36
5458	+ 3	-.92	+ 41	0.7	+ 4
5461	+ 3	-.93	+ 16	0.5	- 43
5466	+ 2	-.96	+ 33	0.9	- 13

(87) γ' Norm $16^h 9^m.5$ −49°49'

J.D.	h	P	m	p	v
	min				
4716	− 7	−.77	+ 37	0.7	−".002
4731	− 2	−.91	+ 12	0.8	− 49
4734	− 6	−.93	+ 23	0.9	− 28
4735	− 5	−.93	+ 30	0.8	− 15
4963	− 1	+.86	+ 47	0.7	+ 26
4968	− 1	+.83	+ 60	0.7	+ 51
4972	− 4	+.79	+ 48	0.8	+ 28
5094	+ 2	−.89	+ 64	0.6	+ 47
5104	+ 3	−.95	+ 53	0.8	+ 26
5107	+ 5	−.96	+ 43	0.9	+ 8
5109	+ 5	−.97	+ 58	0.7	+ 36
5318	0	+.93	+ 14	0.8	− 38
5336	+ 4	+.80	+ 22	1.0	− 23
5337	+ 3	+.79	+ 20	0.7	− 26
5339	+ 6	+.78	+ 11	0.8	− 43
5341	− 1	+.75	+ 53	0.8	+ 34
5451	− 1	−.82	+ 42	0.9	+ 4
5460	− 2	−.90	+ 55	0.6	+ 28
5462	− 1	−.90	+ 14	0.8	− 49
5473	+ 4	−.97	+ 49	0.8	+ 17

(88) $16^h 58^m.2$ −28°26'

J.D.	h	P	m	p	v
	min				
4600	− 6	+.94	+ 23	0.6	−".060
4609	+ 2	+.88	+ 58	0.5	+ 11
4611	+ 4	+.87	+ 57	1.0	+ 8
4619	+ 1	+.79	+ 3	0.7	− 92
4734	+ 7	−.85	+ 13	0.9	+ 9
4739	+ 2	−.89	+ 1	0.9	− 9
4744	+ 4	−.93	+ 35	0.7	+ 55
4748	− 3	−.95	+ 47	0.5	+ 77
4960	− 2	+.96	+104	0.6	− 6
4965	− 1	+.94	+138	1.0	+ 58
4972	− 1	+.90	+134	0.8	+ 51
5096	+ 2	−.81	+ 54	0.7	− 15
5109	+ 6	−.92	+ 79	1.0	+ 38
5110	0	−.93	+ 29	0.9	− 56
5116	+ 2	−.96	+ 20	0.7	− 75
5325	+ 1	+.96	+152	1.0	− 15
5327	+ 4	+.96	+148	0.9	− 21
5331	0	+.94	+161	0.7	+ 2
5350	+ 3	+.79	+169	1.0	+ 21

(89) $18^h 11^m.8$ −27°5'

J.D.	h	P	m	p	v
	min				
4636	− 2	+.80	− 1	0.6	−".002
4766	+ 2	−.95	− 68	0.6	− 81
4768	0	−.96	− 34	1.0	− 15
4769	+ 2	−.96	− 5	0.8	+ 39
4775	+ 2	−.99	− 6	0.4	+ 38
4981	+ 6	+.96	+ 8	0.8	+ 4
4990	+ 1	+.91	+ 41	0.8	+ 68
4996	+ 8	+.86	− 9	0.5	− 24
4997	− 3	+.85	− 6	0.8	− 19
5126	+ 6	−.93	− 9	0.8	+ 24
5133	0	−.96	− 31	0.6	− 15
5136	+ 2	−.97	− 34	0.8	− 21
5137	+ 3	−.98	− 44	0.5	− 39
5138	+ 5	−.98	+ 14	0.5	+ 70
5350	+ 4	+.94	+ 39	0.7	+ 58
5354	+ 2	+.91	+ 9	0.9	+ 2
5360	+ 6	+.87	− 23	0.8	− 56
5362	+ 3	+.85	− 9	1.0	− 30
5487	0	−.88	− 33	0.7	− 28
5495	+ 1	−.95	+ 3	1.0	+ 41
5500	0	−.96	− 26	0.6	− 11

(90) τ Sgtr $19^h 0^m.7$ −27°49'

J.D.	h	P	m	p	v
	min				
4627	− 1	+.95	+ 70	0.5	−".060
4636	+ 5	+.90	+ 98	0.7	− 2
4651	+ 5	+.77	+ 58	0.5	− 68
4653	+ 3	+.74	+120	0.9	+ 51
4655	+ 6	+.72	+108	0.4	+ 28
4765	0	−.86	+ 40	0.6	− 9
4774	− 1	−.93	+ 54	0.5	+ 21
4776	0	−.93	+ 42	0.7	0
4786	+ 4	−.98	+ 58	0.9	+ 34
4990	0	+.97	+ 65	0.8	+ 13
4999	− 1	+.91	+ 42	0.7	− 26
5007	− 3	+.86	+ 53	0.7	− 2
5126	+ 1	−.82	− 23	0.9	− 49
5134	+ 6	−.89	+ 6	0.8	+ 9
5140	+ 3	−.93	− 11	0.5	− 21
5152	+ 4	−.98	+ 2	0.7	+ 9
5355	+10	+.97	+ 5	0.8	− 19
5363	+ 3	+.93	+ 28	0.8	+ 28
5367	+ 8	+.90	+ 26	1.0	+ 24
5377	+ 8	+.81	+ 5	0.8	− 11

(91) 62 Sgtr $19^h 56^m.5$ −27°59'

J.D.	h	P	m	p	v
	min				
4633	0	+.97	+ 74	0.5	+".062
4634	+ 2	+.97	+ 69	0.5	+ 55
4655	0	+.85	+ 44	0.8	+ 9
4657	− 2	+.83	+ 28	0.9	− 21
4774	0	−.81	− 7	0.7	− 64
4783	0	−.88	+ 28	0.8	+ 4
4796	+ 6	−.95	+ 42	1.0	+ 28
4799	+ 3	−.96	− 6	0.7	− 60
4997	− 2	+.97	+ 59	0.7	− 8
5004	+ 1	+.95	+ 75	0.6	+ 26
5007	+ 1	+.94	+ 29	0.8	− 60
5153	− 2	−.91	+ 59	0.8	+ 21
5162	+ 5	−.95	+ 61	0.8	+ 21
5163	+ 2	−.95	+ 68	0.5	+ 36
5362	− 3	+.98	+ 60	0.7	− 45
5363	+ 1	+.97	+124	0.9	+ 75
5365	− 1	+.97	+ 55	1.0	− 55
5381	+ 3	+.88	+ 96	0.6	+ 21

(92) 5 Aqar $20^h 46^m.9$ −5°53'

J.D.	h	P	m	p	v
	min				
4673	− 9	+.79	+ 40	0.8	−".030
4676	− 4	+.77	+ 50	0.6	− 9
4678	− 3	+.74	+ 71	0.9	+ 26
4680	− 4	+.73	+ 54	0.7	− 4
4791	+ 5	−.82	+ 34	0.9	− 9
4795	+ 4	−.86	+ 43	0.5	+ 6
4800	+ 5	−.89	+ 36	0.6	− 6
4802	+ 4	−.90	+ 50	0.6	+ 21
5011	0	+.96	+ 69	0.7	+ 9
5014	+ 5	+.95	+ 70	0.5	+ 11
5018	+ 3	+.93	+ 61	0.7	− 8
5157	+ 6	−.84	+ 51	1.0	+ 9
5164	+ 2	−.89	+ 80	0.5	+ 62
5172	+ 1	−.93	+ 44	0.6	− 2
5176	+ 8	−.94	+ 20	0.8	− 49
5377	− 1	+.96	+ 56	0.7	− 32
5381	+ 3	+.94	+ 67	0.6	− 9
5384	+ 6	+.93	+ 90	0.6	+ 32
5393	+ 2	+.88	+ 75	0.6	+ 8

(93) γ Pavo $21^h18^m.2$ $-65°49'$

J.D.	h	P	m	p	v
	min				
4653	+ 3	+.96	+122	0.6	-".017
4663	+ 7	+.92	+115	0.7	- 26
4673	+ 1	+.86	+148	0.6	+ 41
4681	+ 6	+.79	+112	0.8	- 19
4801	- 1	-.83	- 1	0.7	- 58
4802	- 5	-.84	+ 29	0.6	- 4
4813	+10	-.91	+ 16	0.7	- 21
5019	0	+.95	+193	0.8	+ 34
5024	+ 5	+.93	+185	0.8	+ 21
5031	- 2	+.90	+207	0.7	+ 64
5162	0	-.80	+ 81	0.8	+ 8
5163	- 3	-.80	+ 96	0.9	+ 34
5175	+ 3	-.89	+ 77	0.5	+ 8
5179	- 1	-.91	+ 90	0.6	+ 34
5384	+ 5	+.95	+225	0.8	+ 8
5388	0	+.94	+188	0.5	- 62
5389	+ 7	+.93	+229	0.5	+ 17
5395	- 3	+.91	+182	0.8	- 71

(94) λ Grus $22^h0^m.1$ $-40°2'$

J.D.	h	P	m	p	v
	min				
4669	- 2	+.92	+122	0.7	-".045
4673	+ 1	+.91	+125	1.0	- 36
4675	- 1	+.90	+173	0.8	+ 55
4691	+ 5	+.79	+151	1.0	+ 17
4801	+ 5	-.72	+137	0.6	+ 23
4808	0	-.79	+120	0.7	- 8
4817	0	-.85	+192	0.4	+ 128
4826	+ 1	-.90	+106	0.9	- 30
5032	+ 1	+.93	+114	0.8	+ 8
5038	+ 4	+.91	+ 81	0.5	- 53
5045	- 2	+.88	+109	0.7	0
5164	+ 2	-.70	+ 82	0.7	- 17
5177	+ 2	-.81	+ 85	0.6	- 8
5178	- 2	-.83	+ 74	0.9	- 28
5186	+ 1	-.87	+ 94	0.7	+ 13
5392	- 2	+.94	+ 86	0.8	+ 21
5395	+ 4	+.94	+ 98	0.7	+ 43
5404	0	+.91	+ 87	0.8	+ 24
5407	+ 1	+.89	+ 34	0.5	- 77

(95) α Tucn $22^h11^m.7$ $-60°45'$

J.D.	h	P	m	p	v
	min				
4450	- 5	-.82	+ 68	0.9	+".023
4451	+ 2	-.83	+ 40	0.7	- 32
4460	+ 3	-.87	+ 52	0.8	- 6
4461	- 5	-.88	+ 66	1.0	+ 19
4663	+ 4	+.95	+ 49	0.7	+ 23
4675	+ 3	+.91	+ 12	0.9	- 41
4678	+ 4	+.90	+ 47	0.9	+ 26
4682	+ 3	+.87	+ 22	0.9	- 21
4804	+ 9	-.71	+ 12	1.0	+ 15
4826	+ 3	-.88	0	0.8	- 2
5031	+ 4	+.94	- 8	0.6	+ 19
5032	+ 1	+.94	- 1	0.7	+ 32
5039	+ 4	+.92	+ 29	0.7	+ 92
5049	+ 9	+.86	- 40	0.6	- 38
5053	+ 7	+.84	- 91	0.4	- 130
5174	+ 3	-.76	- 72	1.0	- 41
5187	+ 5	-.86	- 41	0.7	+ 24
5195	+ 5	-.90	- 51	0.7	+ 6

(96) τ Aqar $22^h44^m.3$ $-14°7'$

J.D.	h	P	m	p	v
	min				
4459	+ 5	-.81	+ 45	0.5	-".024
4460	+ 7	-.81	+ 52	0.6	- 11
4461	+ 4	-.82	+111	0.4	+ 100
4670	- 2	+.94	+ 38	0.8	- 32
4673	+10	+.93	+ 21	0.8	- 66
4687	+ 1	+.89	+ 72	0.9	+ 32
4688	+ 5	+.88	+ 54	0.8	- 2
4814	+ 3	-.72	+ 54	0.7	+ 2
4821	- 2	-.79	+ 34	0.8	- 36
4830	+ 1	-.85	+ 79	0.7	+ 51
5038	+ 3	+.94	+ 78	0.7	+ 55
5045	+ 1	+.93	+ 67	0.7	+ 34
5049	0	+.90	+ 57	0.8	+ 15
5053	+ 2	+.89	+ 33	0.8	- 30
5178	+ 6	-.70	+ 42	0.8	- 9
5196	+ 3	-.85	+ 32	0.9	- 28
5404	+ 2	+.93	+ 42	1.0	- 4
5425	+ 2	+.85	+ 49	0.8	+ 9
5549	+ 7	-.78	+ 26	0.8	- 30
5561	+ 3	-.85	+ 57	0.8	+ 26

(97) PGC 6042 $23^h24^m.4$ $-5°5'$

J.D.	h	P	m	p	v
	min				
4692	+ 7	+.91	+ 56	0.6	+".060
4696	+ 2	+.90	+ 10	1.2	- 30
4697	+ 2	+.89	+ 16	0.6	- 17
4698	+ 3	+.89	+ 19	0.9	- 11
4823	- 1	-.69	+ 14	1.0	0
4830	+ 1	-.76	+ 32	0.9	+ 34
4841	+ 5	-.84	+ 32	1.0	+ 34
4844	+ 3	-.86	+ 11	0.8	- 8
5045	+ 2	+.94	+ 98	0.8	- 21
5056	+ 1	+.92	+108	1.0	- 8
5058	0	+.91	+101	1.0	- 21
5059	- 1	+.90	+128	1.1	+ 32
5187	+ 1	-.68	+ 50	1.2	- 96
5195	+ 2	-.76	+ 87	1.0	- 28
5206	+ 2	-.84	+107	0.8	+ 11
5207	+ 6	-.84	+136	1.0	+ 66
5411	- 3	+.93	+203	1.0	+ 13
5413	- 1	+.93	+184	1.0	- 26
5415	+ 2	+.93	+211	1.0	+ 26
5416	0	+.93	+211	1.0	+ 26

(98) η Tucn $23^h52^m.3$ $-64°51'$

J.D.	h	P	m	p	v
	min				
4691	- 3	+.93	- 18	0.7	-".096
4692	- 6	+.93	+ 34	0.7	+ 4
4696	+ 1	+.92	+ 29	0.8	- 6
4697	- 2	+.92	+ 30	0.6	- 6
4826	+ 3	-.64	+ 9	0.6	- 23
4844	0	-.82	+ 34	0.7	+ 30
4847	0	-.83	+ 16	0.6	- 4
4849	- 5	-.84	+ 37	0.5	+ 36
5053	+ 1	+.93	+122	0.6	+ 103
5056	- 1	+.93	+ 86	0.6	+ 38
5059	- 1	+.93	+ 99	0.6	+ 60
5188	- 5	-.61	+ 56	0.7	+ 2
5196	+ 2	-.70	+ 62	0.6	+ 17
5204	+ 5	-.76	+ 27	0.8	- 49
5213	+ 4	-.84	+ 87	0.9	+ 66
5214	- 1	-.84	+ 4	0.6	- 92
5424	0	+.93	+ 81	0.6	- 38
5434	0	+.90	+101	0.7	- 2
5451	- 4	+.78	+105	0.5	+ 8
5452	- 4	+.77	+ 72	0.5	- 56

No.	Name	α (1900)	δ	DM No.	Vis. M	Spect.	Total μ	Relative Parallax ± p.e.	p.e. I	μ_α from Plates
		h m								
99	9 Ceti	0 17.7	-12°46'	- 60	6.4	Go	".399	+ ".046 ± ".010	± ".029	+ ".377
100	68 Erid	5 3.8	- 4 35	1056	5.2	F5	.043	+ .045 6	18	+ 44
101	η Colm	5 56.1	-42 49	2266	4.0	Ko	.035	+ .016 5	15	+ 29
102	BS 2163	6 2.4	-23 6	3431	5.5	A2	.020	+ .010 6	21	- 27
103	γ Mono	6 10.0	- 6 15	1469	4.1	Ko	.021	+ .003 8	22	+ 2
104	o CMaj	6 50.0	-24 4	4567	4.1	K2p	.011	- .001 7	23	+ 57
105	BS 3426	8 34.1	-42 38	4451	4.1	A5	.011	+ .014 8	29	+ 7
106	ι Antl	10 52.0	-36 36	6808	4.7	Ko	.164	+ .019 7	21	+ 44
107	η Scor	17 5.0	-43 6	11485	3.4	F2	.294	+ .066 9	31	+ 14
108	η Sgtr	18 10.9	-36 47	12423	3.2	Mb	.216	+ .041 10	37	- 120
109	ξ^2 Sgtr	18 51.8	-21 14	5201	3.6	Ko	.038	- .002 8	30	+ 36
110	o Pavo	21 4.0	-70 32	2835	5.1	Ma	.043	+ .002 5	17	+ 36
111	ι PscA	21 39.0	-33 29	15734	4.4	Ao	.096	+ .034 6	24	+ 39
112	δ Aqar	22 49.4	-16 21	6173	3.5	A2	.050	+ .045 5	16	- 26
113	55 Pegs	23 2.0	+ 8 52	4997	4.7	Ma	.019	+ .030 9	27	- 14

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
99	- 56	+ 70	.219	- 37	- 31	.443	+ 84	- 5	.338				11.2	4848	+ .0055
100	- 81	- 3	.177	+ 8	+ 5	.418	+ 26	- 4	.405				10.8	4910	- 409
101	- 45	- 54	.420	+ 22	+ 60	.441	+ 67	- 27	.139				12.2	4943	- 420
102	- 58	- 68	.240	- 48	+ 53	.167	+ 14	+ 62	.356	+ 71	- 61	.237	11.1	4943	+ 684
103	- 69	+ 33	.170	- 42	- 4	.213	+ 24	- 30	.344	+ 46	+ 20	.273	10.6	5193	+ 52
104	- 68	- 54	.229	- 53	+ 57	.256	+ 42	- 47	.270	+ 73	+ 42	.245	11.6	4947	- 552
105	- 15	- 6	.278	- 7	+ 9	.251	+ 8	+ 6	.219	+ 14	- 10	.252	11.0	4983	- 174
106	- 51	+ 57	.255	- 17	- 33	.411	+ 60	- 3	.334				10.0	5249	+ 13
107	- 79	- 5	.266	- 43	+ 43	.124	+ 41	- 40	.393	+ 46	+ 54	.217	11.3	4976	- 165
108	- 78	+ 24	.244	- 39	- 55	.256	+ 50	+ 38	.246	+ 66	- 5	.254	10.8	4991	- 639
109	- 63	+ 21	.273	- 28	- 31	.283	+ 57	+ 7	.444				11.4	5006	- 966
110	- 28	+ 8	.252	+ 6	+ 59	.345	+ 12	- 56	.403				10.4	5179	- 1221
111	- 76	- 45	.378	- 23	+ 47	.250	+ 93	+ 14	.372				10.1	5020	- 610
112	- 44	+ 37	.202	- 34	- 6	.284	+ 27	- 60	.304	+ 50	+ 59	.210	11.1	5039	- 558
113	- 91	+ 37	.447	+ 74	- 58	.352	+ 74	+ 18	.201				10.3	5204	- 705

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
99	13.8	+10.17	88.0	− .06	− 2.18	9.35	9.30	+ .0744	+ .4913	+ .0108	+ .00136	+ .00549	+ .00244
100	13.6	+ 8.89	101.1	−1.78	− 4.96	9.19	8.81	− 136	+ 435	+ 206	− 111	+ 64	+ 237
101	13.9	+ 9.40	86.3	− .80	− 4.87	10.44	10.16	− 40	+ 274	+ 73	− 53	+ 42	+ 86
102	15.2	+ 6.79	100.6	−2.07	− 2.10	11.22	10.93	− 167	− 463	+ 84	− 85	− 39	+ 52
103	11.7	− 6.19	76.8	− .93	+ 1.71	8.26	8.17	− 88	+ 71	+ 19	− 73	+ 3	+ 15
104	13.8	+ 7.86	103.0	−2.47	+ .20	10.75	10.28	− 34	+ 803	+ 12	− 74	+ 84	− 7
105	17.6	− 6.56	157.9	−4.42	− .28	13.56	12.43	− 82	+ 185	+ 108	− 24	+ 11	+ 72
106	16.4	−16.22	314.1	−4.45	+17.93	11.85	10.03	+ 283	+ 1774	+ 119	+ 264	+ 64	+ 103
107	14.6	− 3.46	111.1	+2.93	− 2.24	11.52	10.91	+ 362	+ 83	+ 456	+ 182	+ 20	+ 353
108	18.0	− 2.59	121.7	+1.66	+ 2.41	15.19	14.98	+ 35	− 2055	+ 286	− 26	− 174	+ 219
109	16.8	− 1.01	118.6	+1.26	+ 2.07	13.68	13.55	+ 856	+ 563	+ 59	+ 514	+ 52	− 12
110	16.4	+11.55	131.6	+1.38	− 1.70	12.48	12.30	− 208	+ 504	− 20	− 165	+ 53	+ 10
111	18.6	− 1.44	196.3	+ .49	− 5.62	14.72	14.55	+ 972	+ 935	+ 262	+ 522	+ 57	+ 182
112	11.9	+ .88	164.2	− .73	+ .42	9.10	9.06	+ 268	− 595	+ 198	+ 242	− 38	+ 238
113	13.2	+ 4.85	180.2	+1.54	+ 2.73	9.85	9.64	− 142	− 389	+ 134	− 119	− 21	+ 161

(99) 9 Ceti $0^h\ 17^m.7$ −12°46'

J.D.	h	P	m	p	v
	min				
4484	+ 1	− .79	− 206	0.8	".000
4485	+ 1	− .81	− 192	0.7	+ 26
4697	+ 2	+ .93	0	1.0	+ 86
4704	− 1	+ .92	− 83	1.0	− 75
4714	− 1	+ .88	− 28	0.9	+ 19
4829	+ 1	− .61	− 29	0.9	− 32
4840	− 1	− .72	0	0.9	+ 15
4848	0	− .79	− 39	0.8	− 60
5059	0	+ .93	+ 157	0.9	+ 8
5071	+ 3	+ .91	+ 140	0.9	− 32
5077	+ 6	+ .89	+ 158	0.8	− 8
5084	0	+ .85	+ 166	0.7	+ 6
5202	+ 3	− .69	+ 202	0.8	+ 21
5206	+ 8	− .73	+ 164	0.8	− 51
5212	+ 1	− .78	+ 224	1.0	+ 55
5215	+ 3	− .81	+ 202	0.9	+ 15

(100) 68 Erid $5^h\ 3^m.8$ −4°35'

J.D.	h	P	m	p	v
	min				
4536	0	− .66	− 56	0.8	− ".009
4541	+10	− .72	− 58	0.5	− 11
4550	+ 6	− .82	− 71	0.8	− 34
4796	+ 7	+ .89	+ 14	0.9	+ 21
4797	− 1	+ .88	0	0.7	− 6
4799	− 1	+ .86	0	0.7	− 2
4800	− 6	+ .86	+ 8	1.0	+ 11
4910	+ 1	− .76	0	0.8	+ 55
4918	+ 3	− .85	− 22	0.8	+ 19
4924	− 7	− .89	− 34	0.5	− 6
5143	− 2	+ .99	+ 46	0.7	+ 36
5178	+ 2	+ .72	− 7	0.7	− 55
5185	− 5	+ .64	+ 11	0.9	− 21
5264	+ 4	− .63	0	1.0	+ 6
5287	+ 1	− .88	+ 12	0.9	+ 38
5291	+ 5	− .91	− 20	0.9	− 23
5292	+ 9	− .91	− 21	1.0	− 24

(101) η Colm $5^h\ 5^m.1$ −42°49'

J.D.	h	P	m	p	v
	min				
4558	+ 9	− .78	− 20	0.8	+ ".015
4576	+ 7	− .94	0	0.5	+ 55
4795	+ 2	+ .97	− 13	0.5	− 19
4797	− 4	+ .96	− 8	0.8	− 8
4801	+ 5	+ .94	− 23	1.0	− 38
4804	+ 2	+ .92	+ 8	1.0	+ 21
4919	− 2	− .74	− 34	0.5	− 41
4921	− 3	− .76	− 22	0.8	− 15
4928	+ 2	− .83	− 18	1.0	− 9
4943	+ 4	− .95	− 17	0.5	− 8
5163	+ 1	+ .95	+ 23	0.8	+ 23
5175	− 4	+ .87	+ 25	0.9	+ 24
5186	+ 2	+ .77	− 5	0.5	− 32
5193	+ 7	+ .69	+ 22	0.8	+ 19
5273	− 1	− .60	0	0.7	− 6
5302	+ 3	− .91	− 9	1.0	− 21
5303	+ 3	− .91	+ 11	1.0	+ 17
5308	+ 7	− .95	+ 8	0.8	+ 11

(102) BS 2163 $6^h 2^m.4$ -23°6'

J.D.	h	P	m	p	v
	min				
4557	+ 3	- .76	+ 20	1.0	+".032
4566	+ 6	- .86	0	0.7	- 4
4574	+ 8	- .92	+ 40	0.5	+ 73
4797	- 4	+ .96	- 7	0.7	- 17
4799	+ 1	+ .95	+ 8	0.8	+ 9
4813	0	+ .86	- 31	0.8	- 58
4814	- 1	+ .85	0	1.0	- 2
4919	- 2	- .72	- 37	0.7	- 47
4921	0	- .75	- 30	0.8	- 36
4943	+ 3	- .94	0	0.8	+ 26
4944	+ 5	- .95	- 39	0.8	- 49
5175	- 1	+ .89	+ 9	0.9	+ 41
5178	+ 4	+ .86	0	0.9	+ 24
5186	+ 2	+ .78	- 31	0.5	- 30
5187	+ 3	+ .77	- 6	0.7	+ 15
5285	+ 1	- .73	- 13	0.8	+ 24
5302	+ 3	- .89	- 28	1.0	- 2
5303	+ 2	- .90	- 22	1.0	+ 11
5306	+ 3	- .93	- 37	0.8	- 19

(103) γ Mono $6^h 10^m.0$ -6°15'

J.D.	h	P	m	p	v
	min				
4820	- 1	+ .81	- 21	0.8	-".026
4823	0	+ .77	+ 10	0.8	+ 32
4830	- 6	+ .70	- 10	0.8	- 4
4921	- 3	- .73	- 25	0.9	- 30
4927	- 2	- .80	- 34	0.7	- 47
4943	- 1	- .93	- 9	0.5	+ 2
4949	- 2	- .96	+ 28	0.7	+ 70
5193	- 2	+ .73	+ 22	0.8	+ 53
5194	- 5	+ .71	- 36	0.5	- 55
5292	- 1	- .79	0	1.0	+ 15
5304	+ 2	- .89	- 25	0.6	- 32
5306	0	- .92	0	1.0	+ 17
5312	+ 1	- .95	- 16	0.8	- 15
5531	- 5	+ .95	- 13	1.0	- 15
5543	- 2	+ .88	0	0.8	+ 9

(104) o^1 CMaj $6^h 50^m.0$ -24°4'

J.D.	h	P	m	p	v
	min				
4592	+ 3	- .96	- 11	0.8	+".047
4594	+ 7	- .96	- 28	1.0	+ 15
4597	+ 9	- .98	- 46	0.8	- 21
4814	- 2	+ .93	- 51	1.0	- 58
4817	+ 7	+ .90	+ 21	0.5	+ 75
4823	+ 5	+ .86	- 23	0.5	- 9
4840	+ 3	+ .68	0	0.8	+ 32
4944	0	- .86	- 32	0.9	- 49
4947	+ 6	- .89	- 23	0.9	- 30
5178	- 5	+ .94	+ 21	0.8	+ 19
5186	+ 2	+ .88	+ 27	0.8	+ 28
5198	+ 3	+ .76	0	0.9	- 23
5204	+ 5	+ .69	0	0.5	- 26
5303	+ 4	- .81	+ 41	1.0	+ 34
5307	+ 2	- .84	+ 25	1.0	+ 2
5325	+ 4	- .97	+ 37	0.8	+ 23
5327	+ 4	- .97	+ 10	0.8	- 30

(105) BS 3426 $8^h 34^m.1$ -42°38'

J.D.	h	P	m	p	v
	min				
4484	-11	+ .82	+ 47	0.7	+".090
4486	- 7	+ .81	+ 28	0.6	+ 55
4594	+ 2	- .76	- 4	0.9	+ 15
4604	- 1	- .85	- 64	0.7	- 98
4620	+ 8	- .94	- 25	0.8	- 21
4622	- 3	- .95	- 42	1.0	- 55
4623	+ 4	- .95	- 21	0.9	- 13
4849	- 2	+ .83	0	0.8	- 6
4850	+ 3	+ .82	- 17	1.0	- 36
4859	- 3	+ .72	+ 6	0.9	+ 8
4982	+ 2	- .94	- 19	0.8	- 17
4983	- 5	- .94	+ 39	1.0	+ 90
4996	- 2	- .97	0	0.8	+ 17
4997	- 1	- .97	+ 20	0.5	+ 56
5214	+ 1	+ .83	+ 6	1.0	0
5223	+ 3	+ .74	- 14	0.8	- 36
5224	- 5	+ .73	- 24	0.8	- 56
5227	+ 2	+ .69	+ 12	0.4	+ 13
5356	+ 5	- .96	- 14	0.8	- 17
5357	+ 1	- .97	0	0.9	+ 11
5361	+ 1	- .97	- 17	0.7	- 23
5362	+ 1	- .97	+ 22	0.8	+ 51

(106) ι Antl $10^h 52^m.0$ -36°36'

J.D.	h	P	m	p	v
	min				
4538	- 6	+ .58	+ 9	0.5	+".043
4653	+ 3	- .90	- 25	1.0	- 9
4654	0	- .91	- 35	0.7	- 26
4656	0	- .91	- 42	1.0	- 41
4658	- 4	- .92	- 11	1.0	+ 19
4665	+ 2	- .93	- 14	1.0	+ 13
4893	+ 1	+ .70	+ 16	0.6	+ 11
4894	+ 2	+ .69	+ 37	0.9	+ 49
5028	+ 4	- .94	0	1.0	- 4
5035	- 5	- .94	0	0.5	- 4
5249	+ 1	+ .79	+ 31	0.8	- 6
5267	- 1	+ .60	+ 16	1.0	- 32
5396	+ 1	- .93	+ 55	0.5	+ 55
5397	+ 1	- .93	+ 4	0.9	- 41
5611	+ 3	+ .80	+ 32	0.9	- 49
5614	0	+ .79	+ 45	1.0	- 23
5615	+ 4	+ .78	+ 83	0.8	+ 45
5752	0	- .91	+ 51	0.8	+ 4
5755	+ 3	- .92	+ 57	0.8	+ 11
5763	- 4	- .94	+ 74	0.7	+ 47

(107) η Scor $17^h 5^m.0$ -43°6'

J.D.	h	P	m	p	v
	min				
4598	- 2	+ .96	+ 29	0.8	-".028
4600	+ 2	+ .95	+ 85	1.0	+ 77
4618	- 2	+ .82	+ 18	1.0	- 41
4619	+ 3	+ .81	0	1.0	- 77
4730	+ 4	- .80	- 14	1.0	+ 2
4735	+ 1	- .84	0	0.7	+ 32
4746	- 2	- .93	+ 18	0.5	+ 71
4961	+ 5	+ .97	+ 54	0.5	+ 2
4968	0	+ .94	+ 53	0.8	+ 4
4976	- 3	+ .88	+ 88	0.7	+ 73
5096	+ 6	- .80	- 21	1.0	- 26
5110	- 1	- .92	0	0.9	+ 21
5115	+ 2	- .95	- 48	0.8	- 66
5116	0	- .95	- 7	0.8	+ 11
5325	+ 2	+ .97	+ 68	0.7	+ 15
5339	+ 2	+ .90	+ 81	0.9	+ 45
5340	+ 5	+ .89	+ 10	0.5	- 86
5350	+ 1	+ .80	+ 49	1.0	- 9

(108) η Sgtr 18h 10m.9 −36°47'

J.D.	h	P	m	p	v
	min				
4619	+ 4	+ .94	+ 97	0.9	+ ".024
4622	0	+ .92	+ 65	0.9	− 30
4629	+ 2	+ .87	+ 28	1.0	− 98
4634	+ 7	+ .83	+ 146	0.7	+ 130
4756	+ 1	− .89	+ 30	0.8	+ 19
4759	+ 3	− .92	0	1.0	− 32
4760	+ 1	− .92	+ 66	0.9	+ 90
4772	+ 4	− .98	+ 27	1.0	+ 24
4976	0	+ .98	+ 13	1.0	− 17
4979	+ 2	+ .97	+ 16	0.9	− 8
4991	0	+ .90	0	1.0	− 34
5115	+ 7	− .83	− 50	0.9	− 13
5125	+ 3	− .92	− 74	0.8	− 55
5130	− 3	− .95	− 92	0.9	− 83
5130	+ 1	− .95	− 32	0.9	+ 28
5136	− 4	− .97	− 42	0.8	+ 13
5340	+ 1	+ .98	− 62	0.8	− 38
5350	− 1	+ .94	− 35	1.0	+ 17
5359	+ 1	+ .88	0	0.8	+ 88
5367	0	+ .79	− 42	1.0	+ 17

(109) ξ^2 Sgtr 18h 51m.8 −21°14'

J.D.	h	P	m	p	v
	min				
4636	− 7	+ .89	+ 19	0.8	− ".023
4641	− 3	+ .85	+ 55	0.9	+ 45
4642	+ 3	+ .84	+ 66	1.0	+ 64
4655	0	+ .70	+ 4	0.9	− 53
4766	+ 1	− .89	0	1.0	− 75
4772	− 5	− .93	+ 35	1.0	− 11
4785	+ 11	− .99	+ 52	1.0	+ 23
4991	+ 8	+ .95	+ 63	0.7	+ 26
4996	+ 4	+ .93	+ 42	0.5	− 17
5006	+ 3	+ .85	+ 30	0.9	− 39
5125	+ 4	− .83	+ 63	0.9	+ 9
5137	0	− .93	+ 109	0.8	+ 94
5144	0	− .96	+ 51	0.9	− 17
5147	+ 2	− .98	+ 79	0.8	+ 38
5149	0	− .98	+ 46	1.0	− 24
5354	+ 3	+ .96	+ 89	1.0	+ 38
5360	+ 7	+ .94	+ 74	1.0	+ 11
5363	+ 5	+ .91	+ 64	0.8	− 9
5376	+ 6	+ .81	+ 32	0.9	− 71

(110) o Pavo 21h 4m.0 −70°32'

J.D.	h	P	m	p	v
	min				
4687	− 4	+ .69	− 44	0.7	− ".006
4801	+ 4	− .86	− 47	0.9	− 17
5020	+ 3	+ .94	− 16	1.0	+ 13
5025	+ 4	+ .92	− 37	0.9	− 24
5032	+ 3	+ .88	− 19	0.9	+ 8
5035	− 3	+ .86	− 29	0.9	− 9
5160	+ 4	− .81	− 3	1.0	+ 38
5175	+ 3	− .91	− 17	0.6	+ 2
5177	+ 3	− .92	− 7	1.0	+ 19
5179	+ 3	− .93	− 23	0.6	− 9
5384	+ 5	+ .94	− 4	0.8	0
5385	+ 1	+ .94	− 22	1.0	− 32
5395	− 1	+ .89	+ 15	0.7	+ 36
5403	− 4	+ .83	0	1.0	+ 8
5518	− 2	− .74	− 28	1.0	− 55
5524	− 4	− .80	0	0.9	0
5539	+ 5	− .90	+ 32	0.5	+ 56
5543	+ 2	− .92	− 5	1.0	− 11
5763	0	+ .87	+ 23	1.0	+ 13

(111) ι PscA 21h 39m.0 −33°29'

J.D.	h	P	m	p	v
	min				
4450	− 1	− .88	+ 15	0.5	+ ".021
4451	− 3	− .88	0	0.8	− 8
4656	+ 1	+ .95	+ 46	0.9	− 6
4657	+ 2	+ .95	+ 74	1.0	+ 49
4661	− 5	+ .94	+ 25	0.9	− 45
4682	+ 4	+ .82	+ 48	0.9	0
4795	0	− .72	+ 72	0.7	+ 86
4808	0	− .84	0	0.8	− 49
4813	+ 1	− .87	+ 32	0.7	+ 15
4822	+ 3	− .92	− 16	0.5	− 75
5020	+ 3	+ .95	+ 51	0.5	− 34
5031	+ 3	+ .92	+ 46	0.8	− 45
5038	− 3	+ .89	+ 76	1.0	+ 11
5041	0	+ .87	+ 84	0.9	+ 28
5174	+ 5	− .85	+ 67	1.0	+ 39
5177	+ 3	− .86	+ 43	0.9	− 4
5178	+ 7	− .87	+ 12	0.7	− 62
5186	− 1	− .91	+ 57	0.8	+ 23
5392	0	+ .94	+ 101	1.0	+ 21
5395	+ 7	+ .93	+ 89	0.9	− 2
5403	− 4	+ .89	+ 83	0.5	− 13
5543	0	− .87	+ 77	1.0	+ 21
5549	− 4	− .90	+ 50	0.9	− 32

(112) δ Aqar 22h 49m.4 −16°21'

J.D.	h	P	m	p	v
	min				
4461	+ 7	− .81	+ 27	0.9	".000
4471	0	− .88	+ 14	0.5	− 21
4678	+ 5	+ .93	+ 48	0.8	− 23
4691	+ 5	+ .88	+ 76	1.0	+ 32
4700	+ 3	+ .81	+ 40	0.4	− 30
4823	0	− .79	+ 40	0.8	+ 51
4829	0	− .83	0	0.9	− 23
5039	+ 4	+ .94	+ 33	0.8	− 26
5195	+ 2	− .84	0	0.9	+ 4
5196	+ 2	− .84	+ 4	0.9	+ 11
5403	+ 3	+ .94	+ 27	0.5	− 9
5404	+ 1	+ .94	+ 45	1.0	+ 23
5415	+ 1	+ .91	+ 31	0.8	− 2
5567	+ 5	− .88	− 10	0.9	+ 13
5568	+ 6	− .88	− 37	0.8	− 38

(113) 55 Pegs 23h 2m.0 +8°52'

J.D.	h	P	m	p	v
	min				
4700	+ 4	+ .84	+ 41	0.7	+ ".055
4705	0	+ .80	− 39	0.5	− 94
4706	+ 3	+ .79	0	0.7	− 21
4829	0	− .81	− 38	0.9	− 39
4840	+ 5	− .87	+ 17	0.5	+ 66
5050	0	+ .92	+ 38	1.0	+ 58
5058	− 2	+ .88	+ 6	1.0	+ 2
5188	+ 4	− .76	− 14	0.9	+ 19
5198	0	− .84	− 47	1.0	− 39
5204	+ 1	− .87	0	0.7	+ 49
5411	− 3	+ .93	− 29	1.0	− 55
5563	+ 5	− .84	− 44	1.0	− 21
5570	− 8	− .87	− 25	0.9	+ 17
5776	+ 6	+ .93	0	0.5	+ 17
5777	+ 1	+ .92	− 15	0.9	− 11
5784	+ 3	+ .90	0	1.0	+ 19

No.	BS No.	Name	α (1900)	δ (1900)	DM No.	Vis. M Spect.	Total μ	Relative Parallax ± p.e.		p.e. 1
			h m	° '						
114	48	7 Ceti	0 9.6	-19 29	21	4.68 Ma	0".068	+".027 ±	".008	±".023
115	142	13 Ceti	0 30.1	- 4 9	62	5.24 Go	0.410	+ .053	7	20
116	377	κ^2 Tucn	1 12.4	-69 24	45	4.96 F8	0.414	+ .047	7	22
117	408		1 20.3	-42 1	493	5.33 Ko	0.036	- .017	10	31
118	695	κ Form	2 18.0	-24 16	1038	5.37 F5	0.214	+ .047	10	32
119	740	σ Ceti	2 27.3	-15 41	449	4.82 F5	0.141	+ .042	11	26
120	962	94 Ceti	3 7.7	- 1 34	457	5.14 F8	0.213	+ .030	11	32
121	994	15 Erid	3 13.9	-22 53	1146	5.05 Ko	0.022	+ .026	8	22
122	1549	60 Erid	4 45.7	-16 23	964	5.16 Ko	0.078	+ .019	8	26
123	1629	η Mens	4 58.1	-75 5	290	5.28 Ko	0.054	+ .017	8	24
124	2020	β Pict	5 44.9	-51 6	1620	3.94 A3	0.091	+ .056	8	27
125	3015	4 Pupp	7 41.3	-14 19	2199	5.11 Fo	0.014	+ .026	6	17
126	3243		8 10.5	-40 3	+ 4128	4.43 Ko	0.090	+ .005	10	33
127	3615	α Voln	9 0.9	-66 0	+ 1065	4.18 A5	0.100	+ .047	9	26
128	3682		9 11.7	-38 9	5408	4.98 Ko	0.074	+ .022	7	20
129	3871	θ Antl	9 39.7	-27 19	6881	4.98 F5p	0.062	+ .048	9	22
130	3976		10 2.2	-46 53	5806	5.22 Ko	0.074	+ .013	8	23
131	4050		10 13.7	-60 50	1817	3.44 K5	0.043	+ .021	12	28
132	4532		11 43.7	-26 12	8789	5.45 Mb	0.025	+ .014	11	32
133	4599	θ^1 Cruc	11 57.9	-62 45	2543	4.48 A5	0.144	+ .016	8	24
134	4623	α Corv	12 3.3	-24 10	10174	4.18 F2	0.095	+ .056	8	23
135	4889		12 47.9	-39 38	7893	4.34 A5	0.078	+ .050	12	35
136	5020	γ Hyda	13 13.5	-22 39	3554	3.33 G5	0.085	+ .032	9	24
137	5089		13 25.2	-38 53	8592	3.96 Ko	0.026	+ .008	8	27
138	5390		14 19.1	-24 21	11469	5.39 Ko	0.079	+ .019	8	25
139	5470	α Apds	14 35.4	-78 37	893	3.81 K5	0.032	+ .023	7	22
140	5649	ζ Lupi	15 5.1	-51 43	8830	3.50 Ko	0.125	+ .039	6	19
141	5969		15 57.3	-25 35	11295	5.10 Ko	0.078	+ .027	7	26
142	5980	δ Norm	15 59.4	-44 54	10625	4.84 A3p	0.018	+ .014	7	24
143	6163	β Apds	16 28.8	-77 18	1221	4.16 Ko	0.452	+ .036	8	24
144		41 Herc	16 40.1	+ 6 17	3288	6.71 G5	0.350	+ .036	8	28
145	6616	X Sgtr	17 41.3	-27 48	11930	var F8	0.022	+ .031	10	32
146	6746	γ Sgtr	17 59.4	-30 26	15215	3.07 Ko	0.202	+ .021	7	24
147	7264	π Sgtr	19 3.8	-21 11	5275	3.02 F2	0.041	+ .021	8	27
148	7570	η Aqil	19 47.4	+ 0 45	4337	var Gop	0.015	+ .003	11	34
149	7722		20 9.1	-27 20	14659	5.69 Ko	1.258	+ .114	9	31
150	7913	β Pavo	20 36.0	-66 34	3501	3.60 A5	0.049	+ .029	9	28
151	7980	ω Capr	20 45.9	-27 18	15082	4.24 Ma	0.017	- .004	9	28
152	7990	μ Aqar	20 47.3	- 9 22	5598	4.80 A3	0.054	+ .014	7	27
153	8204	ζ Capr	21 21.0	-22 51	- 442	3.86 G5p	0.021	- .015	10	32
154	8213	36 Capr	21 23.0	-22 15	5692	4.59 G5	0.134	+ .019	8	28
155	8328	11 Pegs	21 42.2	+ 2 13	4414	5.50 Ao	0.017	+ .020	7	21
156	8410	32 Aqar	21 59.6	- 1 23	4242	5.23 A3	0.046	+ .015	6	19
157	8573	σ Aqar	22 25.4	-11 11	5850	4.89 Ao	0.032	+ .029	8	25
158	8592	υ Aqar	22 29.2	-21 13	6251	5.29 F5	0.265	+ .041	8	28
159	8655	η Grus	22 39.5	-54 2	10123	4.86 Ko	0.024	.000	9	27
160	8787	θ Grus	23 1.2	-44 4	15149	4.35 F5	0.057	- .002	10	32
161	8834	φ Aqar	23 9.1	- 6 35	6170	4.40 Ma	0.195	+ .006	7	22

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
114	-90	-51	.277	-20	+76	.201	+56	- 3	.522				10.5	4840	+.0868
115	-38	-15	.374	-18	-45	.140	+34	+25	.486				12.1	5076	+ 490
116	-57	-47	.227	-22	+47	.263	+32	+42	.269	+43	-52	.241	12.0	4849	+ 608
117	-54	0	.260	-53	+12	.203	+32	-60	.300	+65	+68	.237	11.6	5213	+ 218
118	-71	+51	.263	-13	-72	.227	+ 9	-10	.240	+72	+20	.270	11.0	4881	- 1003
119	-66	+55	.232	-26	-14	.368	+62	-19	.400				10.6	4880	+ 203
120	-43	-46	.335	-26	+66	.246	+31	+ 8	.253	+77	-16	.166	11.6	4880	- 1860
121	-76	+58	.241	-21	-52	.197	+17	-37	.256	+54	+19	.306	11.0	5128	- 1412
122	-71	- 4	.324	-52	-56	.181	+62	+45	.324	+72	-19	.171	11.4	4912	- 1565
123	-93	-30	.278	+22	+68	.256	+39	-64	.163	+46	+ 5	.303	9.0	4920	+ 772
124	-54	-16	.198	-13	+60	.204	-11	-40	.348	+69	+20	.250	11.5	5303	- 432
125	-59	-21	.234	-42	+66	.207	+22	-63	.200	+50	+10	.359	10.4	4978	- 1528
126	-46	+38	.297	-40	-37	.245	+18	-55	.202	+78	+34	.256	10.4	4984	+ 328
127	-17	-43	.461	+10	+55	.363	+25	- 2	.176				11.1	4983	+ 573
128	-51	+51	.275	-43	-60	.286	+60	+62	.218	+60	-47	.221	10.4	4998	+ 1187
129	-75	+63	.372	-36	-75	.154	+59	-33	.250	+83	-16	.224	10.6	4876	- 557
130	-57	+32	.287	-37	-54	.198	+32	-13	.288	+65	+23	.227	11.0	5013	+ 1717
131	-44	+64	.277	-29	-51	.260	+43	-10	.463				9.6	5245	- 1111
132	-61	+39	.309	-23	-14	.221	+ 9	-17	.208	+85	-20	.262	11.2	4892	+ 1709
133	-44	-50	.230	-27	+49	.298	+37	+43	.196	+39	-42	.276	10.3	5040	- 193
134	-91	-29	.184	-32	+29	.330	+40	-64	.264	+75	+57	.222	11.3	4914	+ 1615
135	-92	+ 1	.342	-13	-63	.149	+61	-30	.189	+69	+45	.320	10.8	4913	+ 628
136	-64	+12	.370	+ 8	-71	.234	+55	+30	.396				10.9	4920	+ 1000
137	-53	+25	.310	-33	-61	.239	+45	+38	.310	+72	-33	.141	11.6	5300	- 1249
138	-78	-17	.223	-65	+53	.223	+54	-67	.226	+59	+21	.328	11.1	5081	- 1668
139	-15	-68	.241	-12	+49	.429	+19	-43	.141	+33	+ 8	.189	10.0	5082	+ 901
140	-63	-13	.264	-35	+28	.264	+34	-44	.261	+80	+38	.211	10.5	5095	- 1335
141	-77	+61	.203	-52	+45	.217	+25	-59	.363	+82	- 3	.217	10.8	5107	+ 202
142	-57	-31	.199	-48	+32	.195	+26	-44	.362	+46	+65	.244	10.6	5104	- 162
143	-29	+57	.284	-19	-57	.200	+ 3	-40	.220	+37	+14	.296	10.9	5106	- 1098
144	-59	+49	.282	0	-49	.227	+11	-47	.241	+56	+35	.250	11.6	5107	- 358
145	-82	-44	.228	-43	+44	.280	+52	-36	.246	+72	+27	.246	10.8	5130	- 956
146	-69	-16	.221	-10	+49	.200	- 1	-42	.299	+62	+22	.280	10.8	4983	+ 38
147	-35	+45	.314	-14	-53	.314	+33	- 4	.249	+60	+30	.123	11.4	7196	+ 365
148	-34	+21	.198	-22	+52	.209	- 6	-32	.329	+50	-16	.264	10.9	5006	- 39
149	-79	+ 4	.317	+11	-45	.253	+40	- 1	.248	+68	+56	.182	11.8	5010	+ 729
150	-45	-59	.217	-40	+57	.262	+23	-38	.337	+67	+57	.184	10.5	5018	- 838
151	-46	+ 8	.262	-42	-18	.225	+23	+52	.265	+63	-47	.248	11.1	5020	- 1335
152	-34	-11	.471	+26	-48	.224	+33	+53	.305				10.6	5010	+ 884
153	-76	-38	.204	-23	-11	.315	+15	+52	.184	+67	+ 5	.297	11.0	4803	- 1558
154	-86	- 2	.329	+ 1	-23	.326	+81	+24	.345				11.7	5025	- 168
155	-71	+16	.293	-26	-41	.173	+27	- 6	.336	+82	- 6	.198	10.7	5404	- 490
156	-69	+ 1	.253	+ 4	-50	.386	+22	+39	.177	+66	+67	.184	10.3	5041	- 764
157	-56	+ 7	.355	-24	-21	.317	+81	-22	.120	+86	+34	.208	11.6	5041	+ 643
158	-82	+63	.252	-50	-72	.192	+52	-45	.241	+56	+28	.315	11.3	5040	- 1903
159	-73	-21	.279	-41	-45	.257	+44	+64	.205	+85	+17	.259	11.0	5189	- 136
160	-84	+65	.287	+ 8	-72	.334	+54	+73	.180	+58	-39	.199	11.1	4830	- 1100
161	-43	+37	.291	-29	-48	.261	+31	-40	.262	+65	+66	.186	10.3	5066	+ 1015

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
114	11.4	+ 9.18	72.9	+ 1.46	- 1.78	8.43	8.11	- .0617	- .1583	+ .0086	- .00432	- .00159	+ .00143
115	13.9	+ 6.25	155.6	+ 2.68	- 1.05	9.55	9.00	- 45	+ 9119	+ 108	- 357	+ 602	+ 280
116	16.2	+ 7.81	125.8	- 0.86	+ 2.58	10.55	10.43	+ 628	+ 7273	+ 397	+ 128	+ 565	+ 248
117	13.9	-18.40	239.8	+ 0.40	- 6.43	9.85	9.68	+ 133	- 191	- 84	+ 94	- 003	- 91
118	14.4	+ 5.68	98.8	- 0.96	- 4.44	9.90	9.68	+ 124	+ 2166	+ 147	+ 12	+ 230	+ 252
119	9.0	+ 9.13	71.4	- 0.47	- 3.55	5.75	5.58	+ 16	- 1044	+ 175	+ 191	- 160	+ 222
120	12.5	+ 8.14	64.9	- 0.32	- 1.82	8.25	8.22	+ 574	+ 2003	+ 73	+ 282	+ 278	+ 160
121	13.8	- 5.79	88.9	+ 4.31	+ 2.88	9.66	8.06	+ 248	- 2	+ 192	+ 138	+ 4	+ 136
122	13.8	+ 4.42	99.4	- 1.47	+ 2.82	9.89	9.70	- 285	+ 189	+ 149	- 202	- 25	- 113
123	12.4	+ 5.06	75.1	- 1.87	+ 2.76	9.36	8.90	- 172	- 127	+ 105	- 120	- 12	+ 92
124	15.4	-16.28	271.0	- 1.29	- 5.76	11.31	11.00	+ 332	- 601	+ 306	+ 238	- 2	+ 297
125	14.3	- 3.88	110.8	- 5.83	+ 5.37	10.35	7.84	+ 1	- 303	+ 97	+ 48	- 32	+ 137
126	17.1	-16.49	162.0	- 2.48	+ 4.89	11.87	11.47	+ 496	- 695	- 47	+ 279	- 15	+ 24
127	15.4	+ 5.39	136.2	- 3.99	- .01	10.61	9.57	+ 312	- 64	+ 152	+ 272	- 15	+ 246
128	13.1	- 7.65	120.9	- 3.43	+ 2.47	9.45	8.55	- 146	- 788	+ 135	- 124	- 76	+ 119
129	11.9	- 1.36	78.2	+ 0.43	+ 10.78	7.74	6.22	+ 262	- 364	+ 123	+ 202	- 78	+ 256
130	14.3	+ 3.94	104.5	- 3.24	+ 2.68	10.19	9.34	- 97	+ 344	+ 102	- 62	+ 34	+ 72
131	10.4	- 8.57	171.8	- 3.92	+ 10.89	7.48	5.64	+ 27	- 439	+ 35	+ 43	- 31	+ 114
132	12.6	+ 4.13	78.6	- 2.19	+ 6.61	8.77	7.69	+ 6	- 256	+ 33	+ 31	- 40	+ 75
133	15.0	+ 7.28	99.1	- 3.30	- 1.56	10.49	9.76	- 933	- 2515	+ 290	- 498	- 216	+ 87
134	14.3	+ 1.93	94.2	- 0.44	+ 8.96	9.54	8.66	+ 307	+ 1922	+ 429	+ 200	+ 172	+ 297
135	12.8	+ .40	62.5	- 2.45	+ 7.82	9.40	7.93	- 99	+ 988	+ 354	- 30	+ 125	+ 266
136	12.1	+ 3.49	72.6	- 1.09	+ 9.94	8.51	6.95	+ 209	+ 830	+ 209	+ 164	+ 83	+ 170
137	15.3	- 0.08	220.6	- 0.18	+ 6.67	10.77	10.57	+ 294	- 112	+ 39	+ 192	- 6	+ 42
138	17.5	- 0.23	128.1	- 4.71	+ 6.62	12.70	11.09	- 78	- 727	+ 96	- 17	- 62	+ 101
139	14.2	+ 4.72	94.6	- 3.38	- 0.97	10.40	9.60	+ 75	- 4	+ 99	+ 83	- 3	+ 122
140	15.8	- 2.72	99.6	- 3.74	+ 6.94	12.12	10.83	- 691	- 1158	+ 308	- 413	- 142	+ 208
141	15.9	- 1.63	113.2	- 3.24	+ 2.89	12.90	12.18	- 276	- 1248	+ 204	- 156	- 116	+ 146
142	13.3	+ 6.98	79.0	- 1.69	- 0.08	10.82	10.60	- 351	- 294	+ 124	- 246	- 15	+ 76
143	12.7	+ 8.68	77.2	- 2.67	- 6.06	10.25	9.44	- 179	- 3341	+ 409	+ 200	- 440	+ 191
144	16.5	+ 2.90	118.7	- 2.55	- 4.04	12.38	11.87	+ 80	- 3336	+ 319	+ 127	- 277	+ 194
145	13.7	- 3.48	96.6	- 1.27	+ 4.72	10.87	10.55	+ 15	- 68	+ 168	+ 23	- 14	+ 164
146	13.7	- 1.95	100.6	+ 2.45	+ 1.53	10.90	10.42	+ 1	- 719	+ 102	- 29	- 74	+ 111
147	12.6	+ 2.37	166.0	+ 0.74	+ 2.21	10.35	10.28	+ 4	- 97	+ 113	- 2	- 7	+ 111
148	13.6	- 2.10	99.4	+ 1.34	+ 3.25	10.54	10.29	- 310	+ 506	+ 2	- 222	+ 46	+ 16
149	13.9	+ 2.60	106.9	+ 2.77	+ 4.15	11.20	10.53	- 7	+1.8935	+ 1285	- 455	+ 1759	+ 608
150	12.9	- 2.28	93.4	+ 1.57	+ 5.57	10.19	9.63	+ 142	- 691	+ 125	+ 77	- 81	+ 156
151	12.9	- 4.58	85.7	+ 1.95	- 3.10	9.82	9.56	- 230	- 64	- 50	- 181	- 18	- 21
152	15.6	+ 3.66	109.2	+ 1.76	+ 3.02	13.12	12.86	- 518	+ 351	+ 46	- 350	+ 42	+ 72
153	14.0	+18.96	168.5	+ 0.53	- 2.01	11.28	11.21	- 121	- 225	- 95	- 76	- 6	- 80
154	17.9	- 1.45	121.7	+ 2.65	- 1.54	14.03	13.63	+ 1321	+ 2338	+ 307	+ 739	+ 202	+ 100
155	14.9	-11.14	203.3	+ 2.38	+ 4.03	10.82	10.27	+ 399	- 523	+ 165	+ 240	- 15	+ 105
156	14.5	+ 0.96	94.6	+ 2.78	+ 1.63	10.32	9.77	- 94	- 275	+ 57	- 78	- 30	+ 81
157	13.4	- 3.28	98.1	+ 2.80	- 2.63	10.00	9.40	- 96	- 94	+ 76	- 93	- 10	+ 100
158	16.1	+ 1.57	119.7	+ 4.32	+ 2.12	12.59	11.41	- 269	+ 4074	+ 232	- 258	+ 340	+ 216
159	13.7	+ 7.29	199.6	+ 1.25	- 1.48	9.38	9.25	- 196	+ 347	- 21	- 156	+ 23	+ 2
160	15.6	+ 5.76	99.9	- 0.51	+ 2.83	11.61	11.50	- 129	- 1408	- 48	- 31	- 139	- 9
161	12.8	- 5.21	82.6	+ 1.60	- 0.31	9.04	8.84	- 177	+ 173	+ 7	- 138	+ 12	+ 32

(114) 7 Ceti $0^h 9^m.6$ $-19°29'$

J.D.	h	P	m	p	v
	min				
4484	+ 1	- .82	0	0.6	-".004
4485	+ 3	- .82	+ 20	0.5	+ 34
4691	+ 3	+ .93	0	0.8	+ 11
4697	+ 4	+ .93	+ 13	0.8	+ 39
4699	- 6	+ .93	0	0.7	+ 13
4704	- 1	+ .91	- 55	0.6	- 88
4840	+ 1	- .74	- 79	0.8	- 47
4849	0	- .82	- 49	0.7	+ 13
5056	+ 3	+ .93	- 57	0.6	+ 13
5058	+ 4	+ .93	- 37	0.8	+ 55
5068	0	+ .92	- 65	0.8	+ 2
5076	- 1	+ .89	- 93	1.0	- 47
5202	+ 2	- .71	-108	0.9	+ 6
5212	+ 2	- .80	- 99	1.0	+ 26
5213	+ 5	- .81	-128	0.8	- 26

(115) 13 Ceti $0^h 30^m.1$ $-4°9'$

J.D.	h	P	m	p	v
	min				
4724	- 3	+ .84	-236	1.0	-".024
4726	- 4	+ .83	-228	0.7	- 9
4727	+ 5	+ .82	-213	1.0	+ 19
4730	+ 7	+ .80	-213	0.7	+ 15
4840	- 4	- .69	-212	1.0	- 32
4848	- 1	- .76	-193	1.0	+ 4
5066	+ 5	+ .93	- 20	0.7	- 9
5076	+ 2	+ .91	- 5	1.0	+ 11
5206	+11	- .70	0	1.0	- 41
5213	+ 4	- .76	+ 50	0.8	+ 45
5221	+ 6	- .82	+ 32	1.0	+ 6
5439	+ 8	+ .91	+206	1.0	- 2
5440	+ 6	+ .91	+238	0.6	+ 56
5452	+ 4	+ .86	+230	0.6	+ 30
5586	+ 3	- .82	+261	1.0	+ 26
5804	+10	+ .92	+396	0.8	- 62

(116) κ^2 Tucn $1^h 12^m.4$ $-69°24'$

J.D.	h	P	m	p	v
	min				
4495	- 4	- .78	-230	0.8	-".045
4496	- 5	- .79	-189	1.0	+ 32
4497	- 7	- .80	-175	0.8	+ 58
4499	- 2	- .81	-227	0.8	- 39
4705	- 4	+ .94	- 50	0.5	- 9
4711	+ 1	+ .94	- 54	0.8	- 23
4714	- 1	+ .94	- 39	0.6	+ 2
4716	- 7	+ .94	- 57	0.7	- 36
4726	+ 1	+ .90	- 26	0.5	+ 15
4844	+ 2	- .61	0	1.0	+ 11
4849	- 5	- .67	0	1.0	+ 8
5081	+ 2	+ .94	+178	0.7	+ 21
5084	+ 4	+ .93	+159	0.8	- 19
5105	- 1	+ .82	+182	0.7	+ 8
5106	+ 3	+ .80	+208	0.8	+ 56
5108	- 4	+ .79	+171	0.7	- 13
5213	- 4	- .66	+192	1.0	- 21
5217	+ 1	- .70	+212	1.0	+ 15
5225	0	- .78	+224	1.0	+ 34
5227	+ 5	- .79	+174	1.0	- 64

(117) BS 408 $1^h 20^m.2$ $-42°1'$

J.D.	h	P	m	p	v
	min				
4497	- 8	- .78	- 17	0.6	-".066
4499	- 3	- .80	0	0.8	- 36
4501	0	- .81	+ 76	0.7	+ 109
4713	0	+ .94	- 10	0.8	- 24
4714	0	+ .94	0	1.0	- 4
4724	+ 3	+ .92	+ 14	1.0	+ 21
4725	- 2	+ .92	+ 4	0.7	+ 2
5084	+ 6	+ .93	- 45	0.6	- 86
5213	- 4	- .63	+ 46	1.0	+ 56
5225	0	- .76	- 22	1.0	- 71
5230	+ 2	- .80	+ 43	1.0	+ 51
5440	- 5	+ .94	+ 22	0.6	+ 41
5451	+ 6	+ .93	+ 14	0.7	+ 28
5452	+ 2	+ .92	0	0.6	- 2
5462	0	+ .89	+ 8	0.5	+ 15
5586	0	- .72	- 11	0.7	- 49
5591	0	- .77	0	0.8	- 30
5593	+ 6	- .78	+ 28	0.8	+ 23

(118) κ Forn $2^h 18^m.0$ $-24°16'$

J.D.	h	P	m	p	v
	min				
4501	+ 1	- .68	-116	0.6	-".031
4503	- 3	- .70	-124	0.8	- 38
4506	+ 3	- .74	- 83	0.7	+ 39
4724	- 8	+ .95	- 31	0.7	- 39
4725	- 5	+ .96	- 5	1.0	+ 11
4727	- 5	+ .96	0	1.0	+ 19
4730	0	+ .96	+ 12	0.7	+ 41
4867	+ 4	- .69	- 20	1.0	- 2
4880	+ 4	- .82	0	1.0	+ 38
4881	+ 4	- .83	- 38	0.7	- 33
5091	- 1	+ .96	+ 25	0.5	- 88
5105	0	+ .94	+ 90	0.7	+ 26
5115	- 3	+ .89	+121	0.6	+ 83
5117	+ 1	+ .87	+ 38	0.6	- 75
5228	- 3	- .64	+ 58	0.8	- 13
5234	+ 1	- .70	+ 43	1.0	- 39
5242	+ 4	- .79	+ 38	1.0	- 53
5245	- 1	- .82	+119	1.0	+ 103

(119) σ Ceti $2^h 27^m.4$ $-15°41'$

J.D.	h	P	m	p	v
	min				
4497	+ 4	- .60	+ 40	0.5	-".051
4499	+ 6	- .64	+ 68	0.6	+ 4
4724	- 1	+ .95	+ 84	0.5	+ 36
4725	+ 5	+ .96	+ 71	0.5	+ 11
4727	+ 4	+ .96	+ 46	0.6	- 34
4867	+ 2	- .67	- 8	0.7	- 26
4880	+ 7	- .80	+ 69	0.5	+ 126
5105	+ 2	+ .95	- 6	0.6	- 19
5127	0	+ .81	0	0.8	+ 4
5130	+ 4	+ .80	0	0.7	+ 6
5229	+ 4	- .62	- 25	1.0	+ 49
5244	+ 3	- .79	- 70	0.6	- 24
5248	+ 1	- .82	- 62	0.6	- 8
5249	0	- .83	- 89	0.8	- 58

(120) 94 Ceti $3^h 7^m.7$ $-1°34'$

J.D.	h	P	m	p	v
	min				"
4528	+ 9	- .83	- 81	1.0	+.004
4760	- 1	+ .92	- 23	0.7	- 62
4764	+ 4	+ .89	+ 25	1.0	+ 26
4774	- 1	+ .81	- 10	0.7	- 41
4775	+ 6	+ .81	+ 13	0.8	+ 2
4876	- 2	- .66	0	0.8	- 30
4880	- 1	- .71	+ 59	1.0	+ 77
4887	+ 5	- .79	+ 22	0.8	+ 9
4891	- 2	- .82	0	0.8	- 34
5108	+ 1	+ .97	+138	0.6	+ 58
5125	- 1	+ .92	+119	0.7	+ 13
5133	0	+ .87	+150	0.6	+ 71
5140	+ 4	+ .81	+ 66	0.5	- 88
5243	+ 5	- .69	+ 84	1.0	- 64
5249	+ 4	- .75	+106	0.7	- 26
5255	+ 3	- .80	+149	0.8	+ 56

(121) 15 Erid $3^h 14^m.0$ $-22°53'$

J.D.	h	P	m	p	v
	min				"
4776	- 8	+ .81	- 27	0.7	-.094
4780	- 3	+ .77	+ 35	1.0	+ 24
4785	- 2	+ .71	+ 32	1.0	+ 17
4790	- 7	+ .66	+ 19	0.6	- 4
4880	+ 2	- .70	0	0.8	- 8
4892	- 1	- .81	+ 22	1.0	+ 38
4893	+ 1	- .82	- 10	0.7	- 23
5105	- 3	+ .98	+ 39	0.6	+ 23
5108	+ 2	+ .98	+ 29	0.5	+ 4
5127	0	+ .92	+ 22	1.0	- 9
5130	- 2	+ .90	+ 43	1.0	+ 34
5244	+ 1	- .68	- 7	0.8	- 23
5245	+ 3	- .69	0	1.0	- 9
5253	0	- .78	+ 15	0.5	+ 21
5473	- 3	+ .98	+ 27	1.0	- 2
5481	- 1	+ .97	+ 52	0.8	+ 43
5483	- 5	+ .96	0	0.8	- 55

(122) 60 Erid $4^h 45^m.7$ $-16°23'$

J.D.	h	P	m	p	v
	min				"
4532	- 1	- .65	- 59	1.0	-.043
4550	+ 1	- .85	- 67	0.6	- 71
4557	+12	- .91	- 7	0.7	+ 62
4558	+13	- .91	0	0.5	+ 73
4776	- 2	+ .98	- 3	0.7	+ 17
4780	- 2	+ .96	+ 10	0.8	+ 41
4795	+ 1	+ .86	- 10	0.6	+ 6
4796	0	+ .85	- 32	0.6	- 34
4902	+ 2	- .72	- 37	0.7	- 17
4912	+ 4	- .83	- 49	1.0	- 38
4913	+ 2	- .84	- 25	0.7	+ 8
5154	+ 5	+ .91	- 45	0.8	- 75
5160	+ 4	+ .86	+ 24	0.7	+ 53
5163	+ 5	+ .84	+ 5	0.7	+ 17
5178	- 2	+ .66	- 14	1.0	- 13
5273	+ 8	- .79	0	0.7	+ 39
5286	+ 6	- .90	- 9	1.0	+ 23
5287	+ 4	- .91	- 31	1.0	- 19

(123) η Mens $4^h 58^m.0$ $-75°5'$

J.D.	h	P	m	p	v
	min				"
4549	- 2	- .83	+ 6	0.7	+.039
4551	+ 5	- .85	- 47	0.5	- 58
4553	- 1	- .85	+ 3	0.7	+ 36
4774	+ 1	+ .99	+ 22	0.6	+ 43
4780	- 5	+ .97	0	0.6	+ 2
4791	- 1	+ .91	- 22	0.8	- 38
4910	+ 3	- .79	- 19	0.7	0
4918	- 3	- .85	- 5	1.0	+ 28
4919	+ 5	- .86	- 52	0.7	- 60
4922	0	- .89	- 34	1.0	- 26
5147	- 7	+ .96	+ 14	0.8	+ 38
5152	- 5	+ .94	- 14	0.7	- 15
5163	+ 2	+ .86	- 40	0.6	- 62
5175	- 5	+ .73	0	0.8	+ 15
5264	+ 1	- .66	+ 15	0.7	+ 70
5287	0	- .89	- 37	0.8	- 24
5292	+ 4	- .92	- 26	0.7	- 2

(124) β Pict $5^h 44^m.9$ $-51°6'$

J.D.	h	P	m	p	v
	min				"
4566	+ 6	- .88	- 35	0.7	-.062
4797	+ 1	+ .95	+ 54	0.7	+ 2
4804	+ 1	+ .90	+ 52	1.0	+ 2
4817	+ 3	+ .77	+ 79	0.6	+ 58
4823	0	+ .70	+ 76	0.7	+ 56
4921	+ 3	- .79	- 13	1.0	- 28
4927	- 2	- .85	+ 18	0.8	+ 36
4928	+ 2	- .86	- 19	0.8	- 30
5160	+ 3	+ .95	+ 33	0.7	- 36
5163	+ 5	+ .94	+ 69	0.8	+ 32
5175	+ 1	+ .85	+ 46	0.7	- 6
5194	+ 3	+ .64	+ 7	0.7	- 68
5287	+ 6	- .80	+ 45	0.8	+ 86
5302	+ 6	- .92	- 10	1.0	- 13
5303	+ 6	- .93	- 26	1.0	- 43
5305	+ 4	- .94	+ 28	0.8	+ 58
5915	- 2	+ .75	+ 21	0.6	- 45
5918	+ 5	+ .71	+ 43	0.7	0
6030	0	- .91	0	0.6	+ 8
6031	+ 2	- .92	0	0.7	+ 8

(125) 4 Pupp $7^h 41^m.3$ $-14°19'$

J.D.	h	P	m	p	v
	min				"
4576	+ 4	- .71	+ 9	0.8	+.002
4584	- 6	- .79	+ 17	1.0	+ 19
4585	0	- .81	+ 13	0.5	+ 13
4592	- 1	- .87	0	1.0	- 9
4609	+ 9	- .97	+ 10	0.7	+ 11
4848	+ 2	+ .72	+ 23	0.5	+ 8
4850	+ 4	+ .70	+ 11	1.0	- 13
4858	- 8	+ .60	+ 14	0.7	- 6
4953	- 5	- .83	- 8	0.8	- 6
4954	- 5	- .84	- 38	0.6	- 62
4977	+ 5	- .98	- 18	0.6	- 17
4978	0	- .99	0	0.7	+ 17
4980	- 1	- .98	- 6	0.5	+ 4
5198	+ 3	+ .87	- 19	0.5	- 53
5204	- 6	+ .81	- 3	0.7	- 23
5205	+ 4	+ .80	+ 45	0.8	+ 68
5325	+ 4	- .89	0	0.8	+ 34
5329	- 1	- .92	- 13	0.7	+ 13
5336	+ 4	- .95	- 26	0.7	- 13
5341	- 3	- .98	- 33	0.7	- 24

(126) BS 3243 8h 10.5m -40°3'

J.D.	h	P	m	p	v
	min				
4495	- 5	+ .65	+ 80	0.5	+".081
4496	- 7	+ .63	+ 46	0.7	+ 17
4499	- 7	+ .59	+ 54	0.6	+ 34
4584	0	- .72	+ 44	1.0	+ 23
4592	+10	- .80	+ 38	1.0	+ 11
4611	- 1	- .94	0	1.0	- 58
4618	+ 4	- .97	0	1.0	- 60
4619	+ 3	- .96	- 4	0.8	- 68
4842	- 6	+ .84	+ 21	0.7	- 21
4850	+ 4	+ .77	+ 32	0.8	0
4859	+ 1	+ .66	+ 51	1.0	+ 36
4860	- 5	+ .65	+ 6	0.8	- 49
4982	+10	- .96	+ 19	0.7	- 13
4984	- 5	- .97	+ 89	0.6	+ 118
4987	+ 1	- .98	+ 89	0.7	+ 118
5204	- 2	+ .86	+ 64	0.5	+ 71
5205	- 1	+ .85	0	0.7	- 51
5214	+ 4	+ .78	+ 16	1.0	- 21
5223	+ 3	+ .68	0	0.7	- 51
5329	+ 3	- .86	0	0.6	- 39
5339	+ 5	- .93	+ 6	0.7	- 28
5348	+ 5	- .97	+ 36	1.0	+ 28

(127) α Voln 9h 0.9m -66°0'

J.D.	h	P	m	p	v
	min				
4504	- 2	+ .68	+ 79	0.6	+".053
4604	+ 7	- .79	- 16	1.0	- 55
4619	+ 2	- .90	+ 25	0.8	+ 26
4623	+ 8	- .92	+ 58	0.6	+ 88
4633	+ 1	- .96	- 25	1.0	- 62
4859	+ 5	+ .78	+ 68	0.7	+ 38
4860	+ 4	+ .78	+ 46	0.6	- 4
4873	0	+ .62	+ 36	0.8	- 15
4982	+ 4	- .89	0	0.5	- 9
4984	- 2	- .90	- 12	0.7	- 32
4987	0	- .93	+ 34	0.7	+ 55
5224	+ 5	+ .79	+ 65	0.8	+ 41
5229	0	+ .74	+ 41	0.6	0
5234	+ 5	+ .68	+ 6	1.0	- 64
5235	- 1	+ .66	+ 31	1.0	- 15
5336	+ 2	- .81	+ 16	1.0	+ 26
5348	+ 1	- .90	0	1.0	+ 2
5355	+ 2	- .94	0	1.0	+ 2
5357	+ 4	- .94	0	1.0	+ 4

(128) BS 3682 9h 11.7m -38°9'

J.D.	h	P	m	p	v
	min				
4501	- 2	+ .74	+ 63	0.5	+".056
4503	+ 5	+ .72	+ 31	0.5	- 6
4619	+ 7	- .88	+ 13	0.8	+ 15
4622	0	- .90	- 4	1.0	- 17
4627	+ 5	- .93	0	1.0	- 8
4636	- 2	- .96	- 14	0.8	- 34
4859	+ 2	+ .81	+ 11	0.7	+ 6
4865	- 4	+ .75	0	0.6	- 13
4876	+ 1	+ .61	0	0.8	- 6
4987	+ 4	- .90	- 20	0.6	+ 4
4993	0	- .93	0	0.7	+ 45
4998	- 2	- .94	- 18	0.6	+ 9
5223	+ 5	+ .82	- 14	0.7	+ 11
5235	+ 6	+ .69	- 38	0.8	- 28
5242	+ 4	+ .61	- 29	0.7	- 11
5361	+ 2	- .94	- 98	0.6	- 88
5362	- 4	- .94	- 50	0.6	+ 2
5363	- 6	- .95	- 28	0.6	+ 45
5364	+ 2	- .96	- 16	0.5	+ 68

(129) θ Antl 9h 39.8m -27°19'

J.D.	h	P	m	p	v
	min				
4504	- 7	+ .77	+ 92	0.6	+".043
4515	+ 3	+ .64	+ 84	0.7	+ 38
4619	+ 5	- .82	0	0.6	- 36
4625	+ 1	- .87	+ 4	0.6	- 28
4629	+ 1	- .90	+ 19	0.8	+ 6
4644	- 1	- .95	0	1.0	- 26
4648	- 1	- .95	+ 46	0.6	+ 60
4865	- 5	+ .81	+ 60	0.6	+ 36
4873	+ 4	+ .73	+ 20	0.5	- 34
4876	- 2	+ .70	+ 23	0.8	- 30
4886	- 9	+ .58	- 5	0.8	- 73
4998	+ 2	- .91	- 2	0.7	+ 21
5000	- 3	- .93	- 4	0.7	+ 17
5229	+ 2	+ .82	+ 29	0.6	+ 30
5234	- 4	- .77	0	0.8	- 21
5235	+ 2	+ .76	+ 22	0.7	+ 19
5242	+ 2	+ .69	+ 19	0.8	+ 21

(130) BS 3976 10h 2.2m -46°53'

J.D.	h	P	m	p	v
	min				
4636	- 2	- .90	- 37	0.7	-".023
4643	- 3	- .92	- 19	0.8	+ 11
4644	0	- .93	0	0.8	+ 47
4647	0	- .94	- 36	0.7	- 19
4873	+ 2	+ .77	- 10	0.6	- 8
4876	+ 1	+ .75	0	1.0	+ 11
4886	+ 4	+ .64	+ 38	0.7	+ 81
4889	- 8	+ .60	- 28	0.5	- 41
5003	+ 2	- .90	- 55	0.7	- 81
5011	- 6	- .93	- 13	0.7	+ 2
5014	- 5	- .94	- 28	0.7	- 28
5235	+ 2	+ .80	+ 17	0.7	+ 19
5242	0	+ .74	- 8	0.8	- 28
5245	+ 6	+ .71	- 16	1.0	- 43
5248	+ 1	+ .68	+ 14	0.8	+ 13
5371	+ 2	- .92	+ 30	0.8	+ 58
5376	- 3	- .93	- 3	0.8	- 4
5377	+ 3	- .94	+ 8	0.8	+ 17
5383	- 2	- .95	0	0.7	+ 2

(131) BS 4050 10h 13.8m -60°50'

J.D.	h	P	m	p	v
	min				
4532	+11	+ .53	+ 88	0.5	+".105
4636	0	- .86	+ 8	0.7	- 11
4653	+ 5	- .94	+ 23	0.7	+ 23
4656	0	- .94	0	1.0	- 21
4892	0	+ .60	0	0.5	- 43
4999	- 3	- .86	+ 17	0.7	+ 30
5011	+ 1	- .92	- 30	0.5	- 58
5255	+ 7	+ .63	- 21	0.7	- 62
5371	+ 2	- .90	- 30	0.6	- 38
5376	+ 3	- .92	- 25	0.7	- 28
5381	- 3	- .94	- 5	0.6	+ 9
5383	+ 3	- .94	+ 10	0.6	+ 39
5601	- 3	+ .82	- 25	0.6	- 51
5604	+ 4	+ .79	- 10	0.5	- 24
5613	+ 1	+ .71	+ 45	0.7	+ 83
5746	+ 1	- .94	0	0.8	+ 41

(132) BS 4532 $11^h 43^m.7$ $-26^\circ 12'$

J.D.	h	P	m	p	v
	min				"
4550	+ 4	+ .60	+ 19	0.6	- .004
4551	+ 3	+ .59	+ 69	0.7	+ 90
4671	+ 4	- .91	+ 5	0.8	0
4680	+ 5	- .93	- 9	1.0	- 26
4682	+ 7	- .93	0	0.8	- 9
4687	+ 7	- .93	+ 20	0.8	+ 30
4891	+ 1	+ .83	- 49	0.7	- 109
4893	+ 5	+ .81	0	1.0	- 17
5039	+ 1	- .92	- 20	0.8	- 19
5042	+ 5	- .93	- 51	0.8	- 77
5045	+ 1	- .93	+ 21	1.0	+ 58
5047	+ 3	- .93	0	0.8	+ 19
5267	+ 4	+ .74	- 12	1.0	- 11
5271	+ 6	+ .70	+ 22	0.8	+ 55
5277	+ 8	+ .64	0	1.0	+ 15

(133) θ^1 Cruc $11^h 57^m.9$ $-62^\circ 45'$

J.D.	h	P	m	p	v
	min				"
4661	- 4	- .84	+ 42	0.5	+ .032
4676	- 3	- .92	+ 31	0.7	+ 19
4678	- 3	- .92	+ 8	0.5	- 24
4684	+ 3	- .93	+ 25	0.6	+ 9
4895	- 3	+ .82	0	0.6	+ 23
4905	- 6	+ .75	- 74	0.8	- 111
4912	- 5	+ .68	- 40	0.8	- 45
4915	- 2	+ .64	- 8	0.5	+ 17
4916	- 4	+ .64	0	0.5	+ 28
5038	- 4	- .90	- 34	0.7	+ 45
5039	+ 1	- .91	- 47	0.7	+ 21
5042	0	- .92	- 71	0.7	- 24
5043	+ 2	- .92	- 51	0.8	+ 11
5267	- 1	+ .77	- 80	0.8	+ 23
5270	+ 2	+ .75	- 67	1.0	+ 49
5271	- 3	+ .74	- 76	0.6	+ 34
5273	+ 8	+ .72	- 91	0.7	+ 6
5397	- 5	- .86	- 165	1.0	- 58
5403	- 3	- .90	- 148	0.7	- 23
5407	+ 1	- .92	- 135	0.8	+ 4
5410	+ 6	- .92	- 134	1.0	+ 8

(134) α Corv $12^h 3^m.3$ $-24^\circ 10'$

J.D.	h	P	m	p	v
	min				"
4538	+ 3	+ .77	- 15	0.6	+ .013
4550	+ 3	+ .66	- 6	0.5	+ 28
4551	- 8	+ .65	- 20	0.7	+ 6
4676	- 1	- .91	- 48	0.7	0
4678	- 1	- .92	- 6	0.8	+ 81
4681	+ 3	- .92	- 60	1.0	- 23
4688	+ 2	- .93	- 56	1.0	- 17
4905	- 6	+ .76	+ 10	0.8	- 56
4912	- 3	+ .70	+ 18	0.8	- 43
4915	0	+ .66	+ 45	0.7	+ 9
5036	0	- .88	0	0.8	- 28
5039	0	- .90	0	0.8	- 26
5042	+ 1	- .91	+ 25	0.8	+ 19
5046	- 2	- .92	+ 23	0.7	+ 15
5267	0	+ .78	+ 88	1.0	- 30
5268	0	+ .78	+ 137	0.8	+ 62
5271	- 1	+ .75	+ 125	0.8	+ 39
5277	- 2	+ .70	+ 100	1.0	- 6

(135) BS 4889 $12^h 47^m.9$ $-39^\circ 38'$

J.D.	h	P	m	p	v
	min				"
4559	- 2	+ .69	+ 24	0.7	+ .100
4675	- 1	- .84	- 58	0.8	- 6
4680	+ 5	- .87	- 120	1.2	- 122
4684	+ 1	- .89	- 42	1.0	+ 26
4697	0	- .93	- 40	1.0	+ 30
4905	- 1	+ .85	+ 15	1.0	- 8
4912	- 3	+ .80	0	0.8	- 34
4916	- 5	+ .77	+ 19	0.8	+ 4
5042	+ 2	- .85	0	0.6	+ 19
5053	+ 1	- .91	+ 14	1.1	+ 45
5056	0	- .92	- 6	1.0	+ 6
5059	0	- .92	+ 6	0.8	+ 30
5268	- 2	+ .86	+ 43	0.6	- 39
5273	+ 4	+ .83	+ 48	0.7	- 30
5277	- 3	+ .80	+ 75	0.7	+ 24

(136) γ Hyda $13^h 13^m.5$ $-22^\circ 39'$

J.D.	h	P	m	p	v
	min				"
4566	+ 5	+ .70	+ 2	0.5	+ .006
4576	+ 10	+ .59	+ 4	0.4	+ 11
4692	+ 4	- .90	- 4	1.0	+ 26
4698	+ 2	- .93	- 21	1.0	- 8
4705	- 1	- .94	- 12	0.5	+ 11
4706	+ 6	- .94	- 23	1.0	- 11
4919	+ 3	+ .81	- 2	0.8	- 60
4921	+ 7	+ .80	+ 32	0.7	+ 2
4927	+ 3	+ .74	+ 44	0.7	+ 26
5052	+ 2	- .88	+ 30	0.7	+ 32
5056	- 1	- .89	+ 5	0.8	- 13
5060	+ 4	- .91	- 13	0.6	- 49
5069	+ 3	- .94	+ 11	0.5	- 2
5277	+ 2	+ .85	+ 64	0.8	+ 6
5288	+ 3	+ .77	+ 80	0.6	+ 38
5292	+ 3	+ .74	+ 20	0.8	- 77
5302	0	+ .64	+ 102	0.7	+ 81

(137) BS 5089 $13^h 25^m.2$ $-38^\circ 53'$

J.D.	h	P	m	p	v
	min				"
4682	+ 7	- .83	+ 37	0.7	+ .034
4688	- 1	- .87	+ 8	0.6	- 21
4697	- 1	- .91	+ 40	0.8	+ 38
4916	- 3	+ .85	+ 52	0.8	+ 51
4927	+ 1	+ .76	- 15	0.8	- 73
4933	- 8	+ .72	- 6	0.8	- 56
5053	+ 3	- .86	+ 14	0.8	- 6
5064	0	- .92	0	0.7	- 34
5300	+ 5	+ .70	+ 41	1.0	+ 36
5302	+ 2	+ .67	+ 57	1.0	+ 66
5425	+ 5	- .90	+ 6	0.8	- 15
5437	+ 9	- .94	- 8	0.7	- 41
5646	+ 6	+ .86	+ 36	1.0	+ 26
5650	+ 2	+ .83	+ 19	1.0	- 4
5651	+ 10	+ .83	+ 4	0.7	- 32
5655	+ 4	+ .79	0	1.0	- 38
5794	+ 10	- .92	+ 43	0.8	+ 58
5798	+ 7	- .93	0	0.8	- 24
5799	+ 3	- .93	+ 12	0.5	0

(138) BS 5390 $14^h 19^m.1$ −24°21'

J.D.	h	P	m	p	v
	min				
4691	0	− .79	0	0.8	− ".026
4699	− 2	− .85	+ 24	0.7	+ 19
4711	0	− .93	+ 23	1.0	+ 21
4714	− 3	− .94	0	1.0	− 23
4715	− 4	− .94	− 3	0.8	− 30
4933	− 2	+ .85	+ 28	0.7	+ 23
4943	+ 1	+ .77	+ 18	1.0	+ 6
4945	0	+ .75	− 8	0.6	− 43
4947	− 8	+ .73	+ 32	0.7	+ 36
5060	0	− .82	0	1.0	+ 17
5071	+ 2	− .90	− 65	0.8	− 105
5081	0	− .94	+ 30	0.7	+ 77
5082	+ 5	− .95	+ 25	0.7	+ 70
5300	− 3	+ .84	+ 8	0.8	+ 28
5306	+ 2	+ .79	− 5	0.8	+ 6
5308	0	+ .77	− 12	1.0	− 8
5318	− 7	+ .67	− 32	1.0	− 43
5434	0	− .88	− 46	1.0	− 24
5437	+ 4	− .90	− 38	0.7	− 9
5439	+ 4	− .91	− 23	1.0	+ 19
5444	+ 1	− .93	− 28	0.7	+ 9

(139) α Apds $14^h 35^m.4$ −78°37'

J.D.	h	P	m	p	v
	min				
4693	0	− .76	+ 21	0.8	+ ".039
4715	+ 3	− .92	− 36	0.8	− 66
4724	0	− .95	+ 16	0.8	+ 36
4927	0	+ .91	+ 33	0.5	+ 24
4933	− 2	+ .88	+ 7	0.6	− 24
4951	− 1	+ .74	− 12	0.8	− 55
4953	+ 2	+ .72	+ 26	1.0	+ 17
5070	+ 4	− .87	0	1.0	+ 4
5081	− 1	− .93	0	0.6	+ 2
5082	+ 5	− .94	+ 21	0.6	+ 45
5084	+ 5	− .94	− 15	0.8	− 23
5306	− 3	+ .83	− 7	0.7	− 45
5308	+ 1	+ .82	+ 32	1.0	+ 28
5325	− 1	+ .65	+ 36	1.0	+ 38
5434	+ 1	− .86	− 14	0.8	− 21
5440	+ 4	− .90	− 28	0.6	− 45
5444	− 5	− .92	+ 7	0.8	+ 19
5445	− 6	− .92	− 4	1.0	0

(140) ζ Lupi $15^h 5^m.1$ −51°43'

J.D.	h	P	m	p	v
	min				
4727	+ 3	− .95	− 16	1.0	− ".013
4730	+ 7	− .96	− 17	1.0	− 15
4731	+ 1	− .97	− 9	0.8	0
4733	+ 4	− .97	− 6	0.8	+ 8
4953	− 3	+ .80	+ 21	0.7	+ 49
4960	0	+ .73	0	1.0	+ 13
4961	− 8	+ .72	0	1.0	+ 13
4963	− 4	+ .70	− 29	0.7	− 41
5070	+ 1	− .81	− 53	0.8	+ 2
5084	0	− .92	− 42	1.0	+ 30
5094	+ 2	− .96	− 87	0.7	− 49
5096	− 3	− .96	− 58	0.8	+ 6
5300	0	+ .92	− 44	0.8	+ 15
5307	0	+ .88	− 92	0.7	− 73
5318	− 1	+ .80	− 63	0.7	− 13
5323	− 1	+ .75	− 49	0.8	+ 15
5439	+ 2	− .85	−100	0.7	+ 15
5451	0	− .92	−130	0.8	− 34
5452	− 1	− .93	− 94	1.0	+ 34

(141) BS 5969 $15^h 57^m.3$ −25°35'

J.D.	h	P	m	p	v
	min				
4714	− 4	− .79	+ 31	0.6	+ ".023
4726	− 5	− .90	0	1.0	− 30
4734	0	− .95	0	1.0	− 24
4737	+ 4	− .96	+ 15	1.0	+ 2
4943	− 2	+ .96	+ 17	1.0	0
4953	+ 3	+ .91	+ 36	1.0	+ 38
4960	0	+ .86	+ 22	0.7	+ 17
4965	+ 5	+ .83	+ 20	0.8	+ 15
5080	+ 3	− .80	+ 3	0.6	+ 51
5106	+10	− .97	0	0.8	+ 56
5107	+ 8	− .98	− 84	0.6	− 102
5109	− 1	− .98	− 29	0.8	0
5318	− 4	+ .91	− 55	0.5	− 53
5330	+ 3	+ .83	− 39	0.6	− 17
5331	+ 2	+ .82	− 8	1.0	+ 39
5337	− 1	+ .76	− 78	0.8	− 88
5451	− 2	− .85	− 58	0.8	+ 17
5460	+ 7	− .91	− 90	0.5	− 38
5463	+ 2	− .93	− 61	1.0	+ 15
5473	+ 6	− .98	− 63	0.8	+ 17

(142) δ Norm $15^h 59^m.4$ −44°54'

J.D.	h	P	m	p	v
	min				
4741	+ 2	− .97	− 34	0.5	− ".015
4745	+ 7	− .98	− 43	0.6	− 32
4746	+ 9	− .98	− 20	0.6	+ 13
4953	+ 5	+ .91	− 8	1.0	+ 15
4965	+ 8	+ .83	− 26	0.8	− 19
4968	− 1	+ .80	0	1.0	+ 32
5096	+ 1	− .92	− 32	0.8	− 2
5104	+ 6	− .96	− 10	1.0	+ 41
5109	+11	− .98	− 49	1.0	− 30
5318	− 1	+ .91	− 27	0.7	− 11
5329	+ 1	+ .84	− 57	1.0	− 70
5331	+ 5	+ .82	0	1.0	+ 41
5337	+ 3	+ .77	− 16	0.6	+ 11
5451	+ 4	− .84	− 61	0.7	− 49
5458	+ 3	− .90	− 35	0.6	+ 4
5466	+ 2	− .95	0	0.7	+ 70
5474	+ 6	− .98	− 46	0.7	− 15

(143) β Apds $16^h 28^m.8$ −77°18'

J.D.	h	P	m	p	v
	min				
4734	+ 5	− .90	+160	0.6	− ".013
4746	+ 2	− .96	+125	0.6	− 66
4953	+ 3	+ .95	+100	1.0	− 9
4972	− 1	+ .84	+ 93	0.8	− 4
4976	+ 6	+ .80	+ 95	0.5	+ 6
4977	+ 5	+ .80	+ 79	0.6	− 24
5096	+ 3	− .87	0	0.7	− 13
5104	+ 7	− .93	+ 43	1.0	+ 75
5109	+ 5	− .96	+ 35	0.8	+ 64
5116	+ 2	− .99	0	0.6	+ 6
5327	+ 3	+ .92	− 44	0.6	+ 28
5340	0	+ .82	− 39	0.7	+ 53
5348	+ 5	+ .73	− 90	1.0	− 34
5462	+ 2	− .87	−168	1.0	− 19
5473	+ 2	− .95	−182	0.6	− 43
5474	+ 4	− .96	−176	0.6	− 30
5480	+ 5	− .98	−164	1.0	0

(144) 41 Herc 16h 40m.1 +6°17'

J.D.	h	P	m	p	v
	min				
4619	- 4	+ .75	+132	0.8	-".058
4727	+ 6	- .82	+ 83	0.8	- 34
4734	+ 5	- .89	+113	0.8	+ 28
4741	+ 3	- .93	+ 99	0.7	+ 6
4979	- 8	+ .80	+ 57	0.8	- 13
4981	- 5	+ .78	+ 43	0.6	- 38
4982	0	+ .77	+ 87	1.0	+ 45
4983	+ 4	+ .76	+ 69	1.0	+ 15
5104	+ 8	- .91	+ 29	1.0	+ 64
5106	+ 2	- .93	+ 20	0.8	+ 47
5109	+ 4	- .95	0	1.0	+ 13
5111	0	- .96	- 34	0.7	- 53
5330	+ 6	+ .91	- 19	0.8	+ 23
5340	0	+ .84	- 74	0.7	- 71
5347	+ 3	+ .77	- 25	0.7	+ 26
5350	+ 2	+ .74	- 22	1.0	+ 32
5462	0	- .86	-133	1.0	- 56
5479	0	- .97	-150	0.7	- 81
5480	+ 6	- .97	-106	0.6	+ 6
5481	0	- .98	- 91	1.0	+ 36

(145) X Sgtr 17h 41m.3 -27°48'

J.D.	h	P	m	p	v
	min				
4633	+ 7	+ .75	+ 44	0.6	+".043
4737	0	- .78	- 12	0.7	- 15
4756	0	- .94	0	0.8	+ 15
4761	+ 4	- .96	0	0.6	+ 17
4767	+ 5	- .99	- 49	0.6	- 75
4976	+ 3	+ .94	+ 36	0.6	+ 30
4982	+ 3	+ .91	+ 55	0.8	+ 68
4993	- 4	+ .81	- 6	1.1	- 43
5111	0	- .86	- 19	0.8	- 13
5117	+ 2	- .91	0	0.8	+ 23
5129	+ 2	- .98	- 33	0.7	- 36
5130	- 7	- .98	- 4	0.6	+ 19
5337	+ 3	+ .96	- 55	0.7	- 132
5354	+ 3	+ .85	+ 19	0.7	+ 9
5362	0	+ .78	+ 5	1.0	- 13
5363	+ 6	+ .77	+ 39	1.0	+ 51
5491	+ 5	- .96	- 28	1.0	- 19
5498	- 4	- .99	+ 27	0.6	+ 86

(146) γ Sgtr 17h 59m.4 -30°26'

J.D.	h	P	m	p	v
	min				
4629	0	+ .85	- 5	0.8	-".070
4634	0	+ .80	+ 40	1.0	+ 15
4636	- 7	+ .78	+ 46	0.8	+ 26
4641	- 2	+ .72	+ 39	0.8	+ 17
4756	+ 8	- .91	0	0.8	- 8
4759	+ 8	- .93	0	1.1	- 6
4772	0	- .99	0	0.5	- 4
4981	+ 5	+ .94	0	1.0	- 13
4984	0	+ .92	+ 26	0.7	+ 36
4993	+ 2	+ .86	+ 21	0.5	+ 28
5126	+ 5	- .94	- 52	1.0	- 53
5134	+ 4	- .98	- 9	0.7	+ 30
5136	+ 2	- .98	0	1.0	+ 47
5340	+ 2	+ .97	+ 10	0.8	+ 53
5355	+ 5	+ .88	- 19	0.6	+ 2
5360	0	+ .84	- 30	0.8	- 15
5364	0	+ .80	- 57	0.8	- 66

(147) π Sgtr 19h 3m.8 -21°11'

J.D.	h	P	m	p	v
	min				
6606	+ 5	- .95	+ 2	0.7	+".017
6613	+ 8	- .97	- 9	0.7	- 4
6838	+ 3	+ .82	- 14	0.7	- 49
6839	+ 3	+ .81	- 3	0.7	- 28
6848	+10	+ .71	- 49	0.6	- 115
6964	+ 5	- .91	+ 13	0.7	+ 39
6976	+ 7	- .97	+ 12	0.6	+ 38
7190	+ 2	+ .92	+ 38	0.6	+ 53
7191	+ 7	+ .92	+ 29	0.6	+ 36
7200	+ 2	+ .85	+ 37	0.7	+ 51
7205	- 2	+ .81	+ 31	0.6	+ 39
7341	+ 4	- .97	- 16	0.8	- 8
7544	0	+ .98	+ 10	0.8	+ 6
7546	+ 4	+ .97	- 17	0.8	- 45
7553	0	+ .94	+ 29	0.8	+ 41
7684	- 2	- .82	- 46	0.8	- 56
7693	+ 3	- .90	- 17	0.8	- 2
7708	0	- .98	- 10	0.6	+ 11

(148) η Aqil 19h 47m.4 +0°45'

J.D.	h	P	m	p	v
	min				
4658	- 7	+ .81	- 34	0.7	+".006
4661	- 7	+ .78	- 15	0.6	+ 41
4663	+ 2	+ .75	0	1.0	+ 71
4669	- 8	+ .68	- 60	1.0	- 45
4780	+ 2	- .88	- 84	0.8	- 96
4786	0	- .92	- 28	0.6	+ 11
4789	+ 2	- .94	- 58	0.7	- 45
4796	0	- .96	- 40	0.7	- 9
4998	0	+ .97	0	1.0	+ 38
5006	+ 2	+ .93	- 52	0.5	- 60
5140	0	- .82	- 51	0.6	- 64
5149	+ 2	- .91	+ 12	1.0	+ 56
5152	0	- .92	+ 14	0.6	+ 60
5157	- 2	- .95	+ 20	0.8	+ 70
5371	+ 4	+ .93	- 33	1.0	- 56
5375	+ 2	+ .92	- 9	0.5	- 11
5376	- 3	+ .91	0	0.7	+ 6
5382	- 5	+ .87	- 8	0.8	- 8

(149) BS 7722 20h 9m.0 -27°20'

J.D.	h	P	m	p	v
	min				
4642	0	+ .95	-632	0.8	+".004
4653	0	+ .89	-587	1.0	+ 62
4656	+ 4	+ .87	-661	1.0	- 88
4780	+ 5	- .82	-465	0.5	+ 66
4786	0	- .88	-486	1.0	+ 13
4797	+ 7	- .94	-502	1.0	- 45
5007	+ 2	+ .95	0	0.6	- 15
5010	+ 2	+ .94	+ 25	0.8	+ 26
5014	+ 4	+ .92	+ 44	0.6	+ 49
5145	+ 7	- .82	+ 93	0.7	- 90
5157	+ 9	- .91	+173	1.0	+ 28
5163	+ 5	- .94	+200	0.7	+ 64
5164	+ 5	- .95	+160	0.5	- 15
5381	+ 3	+ .91	+670	0.7	+ 17
5385	+ 5	+ .88	+655	1.0	- 24
5388	0	+ .86	+670	1.0	- 2
5389	+ 4	+ .85	+669	1.0	- 8

(150) β Pavo 20h 36m.0 −66°34'

J.D.	h	P	m	p	v
	min				
4661	− 1	+ .88	+ 67	0.7	+ ".032
4669	+ 4	+ .80	+ 84	1.0	+ 70
4670	0	+ .81	+ 19	1.0	− 55
4791	+ 3	− .85	+ 35	1.0	+ 41
4800	+ 1	− .91	0	0.6	− 21
4801	+ 3	− .91	− 13	0.8	− 47
4804	+ 2	− .93	+ 26	0.8	+ 28
5008	0	+ .96	+ 3	1.0	− 38
5018	− 1	+ .93	− 12	0.6	− 66
5150	+ 7	− .80	− 20	0.7	− 11
5160	+ 2	− .87	0	0.7	+ 34
5163	0	− .90	− 39	1.0	− 39
5376	+ 5	+ .95	− 27	0.7	− 39
5382	+ 3	+ .93	+ 13	0.7	+ 39
5384	+ 3	+ .92	+ 6	0.8	+ 26
5389	+ 5	+ .89	+ 10	0.8	+ 34

(151) ω Capr 20h 45m.8 −27°18'

J.D.	h	P	m	p	v
	min				
4670	+ 2	+ .82	− 17	0.8	− ".006
4675	− 1	+ .77	0	0.7	+ 26
4676	− 8	+ .76	− 31	1.0	− 32
4678	− 8	+ .74	+ 7	1.0	+ 41
4791	+ 1	− .84	0	1.0	+ 23
4801	+ 1	− .90	− 39	1.0	− 51
5008	− 3	+ .97	+ 7	0.7	+ 51
5019	+ 2	+ .93	− 35	0.8	− 28
5021	− 1	+ .92	− 37	0.7	− 32
5162	+ 2	− .87	− 41	1.0	− 41
5163	+ 2	− .88	+ 12	0.7	+ 60
5173	+ 8	− .93	+ 9	0.8	+ 53
5175	+ 2	− .94	− 30	0.7	− 21
5383	+ 5	+ .93	0	0.7	+ 49
5389	+ 3	+ .90	− 45	0.5	− 34
5390	+ 2	+ .90	− 44	0.8	− 32

(152) μ Aqar 20h 47m.3 −9°22'

J.D.	h	P	m	p	v
	min				
4651	+ 4	+ .95	− 54	0.4	− ".021
4655	+ 3	+ .92	0	0.8	+ 81
4656	0	+ .92	− 63	0.8	− 38
4657	+ 3	+ .91	− 57	0.8	− 26
4789	+ 5	− .81	− 34	1.0	+ 30
4802	+ 8	− .90	− 51	1.0	− 2
4803	+ 4	− .91	− 70	1.0	− 36
5007	− 5	+ .97	− 41	0.4	− 24
5010	+ 4	+ .96	− 15	1.0	+ 24
5021	+ 3	+ .92	− 47	0.8	− 36
5162	+ 5	− .87	− 9	1.0	+ 49
5172	+ 5	− .93	− 42	1.0	− 13
5175	+ 4	− .93	− 30	1.0	+ 9
5176	+ 3	− .93	− 50	1.0	− 28
5375	+ 6	+ .96	0	0.6	+ 24
5376	+ 7	+ .96	+ 26	1.0	+ 73
5388	+ 4	+ .91	− 46	1.0	− 64
5389	+ 7	+ .90	− 25	1.0	− 23

(153) ζ Capr 21h 21m.0 −22°51'

J.D.	h	P	m	p	v
	min				
4450	+ 2	− .92	+ 35	0.7	+ ".064
4451	+ 2	− .92	− 18	0.7	− 38
4656	− 1	+ .95	− 27	0.8	− 23
4658	− 1	+ .94	− 10	1.0	+ 8
4670	+ 1	+ .88	+ 15	0.8	+ 55
4681	+ 10	+ .81	− 52	1.0	− 75
4802	− 1	− .83	− 28	0.7	− 51
4804	− 4	− .85	+ 7	0.7	+ 13
4814	+ 8	− .91	− 17	0.8	− 30
5025	+ 2	+ .93	0	0.8	+ 28
5031	+ 3	+ .91	+ 27	0.7	+ 83
5035	− 2	+ .88	0	0.8	+ 28
5174	+ 1	− .88	− 14	0.5	+ 6
5176	+ 3	− .88	+ 37	1.0	+ 73
5179	+ 3	− .90	− 29	0.6	− 49
5382	− 3	+ .96	− 46	0.6	− 53
5385	+ 2	+ .95	− 46	0.7	− 51
5537	+ 3	− .87	− 37	0.6	− 62
5539	+ 5	− .88	+ 38	0.5	+ 81

(154) 36 Capr 21h 24m.0 −22°15'

J.D.	h	P	m	p	v
	min				
4657	0	+ .94	+ 37	1.0	+ ".053
4658	+ 2	+ .94	+ 15	1.0	+ 11
4673	+ 4	+ .86	0	1.0	− 23
4682	+ 1	+ .79	0	1.0	− 24
4800	+ 1	− .81	− 21	1.0	− 77
4804	0	− .85	+ 26	1.0	+ 8
4808	0	− .88	0	0.5	− 39
4817	− 2	− .91	+ 24	0.5	+ 2
5019	+ 3	+ .95	+ 89	1.0	+ 11
5025	− 2	+ .93	+ 81	0.8	− 2
5032	+ 5	+ .90	+ 100	1.0	+ 30
5163	0	− .79	+ 154	1.0	+ 113
5172	+ 2	− .86	+ 112	1.0	+ 30
5173	+ 5	− .87	+ 96	0.7	+ 2
5177	+ 3	− .88	+ 89	1.0	− 13
5178	− 2	− .89	+ 76	1.0	− 38
5383	− 3	+ .96	+ 162	0.7	+ 11
5385	+ 5	+ .95	+ 149	1.0	− 13
5395	0	+ .92	+ 141	0.7	− 32
5403	− 2	+ .86	+ 139	1.0	− 38

(155) 11 Pegs 21h 42m.2 +2°13'

J.D.	h	P	m	p	v
	min				
4687	+ 4	+ .78	+ 44	0.6	+ ".002
4691	− 2	+ .74	+ 43	0.7	0
4692	− 3	+ .74	+ 54	1.0	+ 23
4795	+ 9	− .72	+ 29	0.6	+ 6
5162	+ 3	− .73	+ 2	1.0	− 34
5187	+ 8	− .91	0	1.0	− 32
5188	+ 9	− .91	+ 12	1.0	− 9
5392	+ 3	+ .94	+ 26	0.8	− 15
5403	+ 7	+ .89	+ 60	0.7	+ 49
5404	+ 6	+ .89	+ 22	1.0	− 21
5407	+ 2	+ .86	+ 38	0.5	+ 9
5525	− 1	− .70	− 3	0.8	− 34
5547	+ 5	− .88	+ 51	0.8	+ 71
5548	+ 7	− .89	+ 32	1.0	+ 36
5753	+ 4	+ .95	+ 40	0.8	+ 21
5754	+ 7	+ .95	+ 28	1.0	− 2
5773	+ 5	+ .86	0	1.0	− 53
5774	− 4	+ .86	+ 38	0.6	+ 21

(156) 32 Aqar 21h 59m.6 −1°23'

J.D.	h	P	m	p	v
	min				
4692	− 6	+ .78	− 25	0.6	− ".062
4696	+ 3	+ .74	+ 22	0.7	+ 26
4697	− 3	+ .73	− 13	0.8	− 41
4698	+ 6	+ .72	+ 20	1.0	+ 23
4801	− 1	− .72	− 18	0.8	− 21
4821	− 7	− .88	+ 6	0.7	+ 26
4823	+ 1	− .89	− 9	0.5	0
5025	0	+ .95	+ 37	0.6	+ 66
5041	− 4	+ .90	+ 8	1.0	+ 17
5042	− 6	+ .89	0	1.0	− 2
5164	− 3	− .70	− 38	0.6	− 38
5175	+ 3	− .80	0	0.7	+ 34
5177	− 2	− .81	− 38	0.8	− 38
5188	− 5	− .89	− 19	1.0	0
5190	− 2	− .90	0	0.6	+ 36
5391	− 1	+ .95	− 16	0.6	− 11
5395	0	+ .94	0	0.7	+ 21
5403	− 2	+ .91	− 29	0.8	− 34
5410	− 7	+ .87	− 15	1.0	− 6

(157) σ Aqar 22h 25m.4 −11°11'

J.D.	h	P	m	p	v
	min				
4687	+ 2	+ .86	0	1.0	− ".008
4688	+ 5	+ .85	− 8	0.8	− 23
4691	− 1	+ .84	+ 12	0.8	+ 21
4697	+ 2	+ .79	− 35	0.6	− 70
4699	− 5	+ .78	0	0.6	− 4
4821	− 1	− .83	0	0.7	+ 28
4823	− 4	− .84	− 20	0.6	− 8
4829	+ 3	− .88	+ 10	0.7	+ 49
5039	+ 5	+ .93	− 7	1.0	− 13
5042	+ 2	+ .92	+ 40	0.8	+ 75
5177	+ 1	− .75	− 35	0.7	− 30
5187	+ 5	− .83	− 51	1.0	− 62
5196	0	− .89	− 21	0.7	− 2
5197	+ 7	− .88	0	0.8	+ 38
5404	+ 1	+ .93	− 5	0.8	− 2
5410	+11	+ .91	− 24	1.0	− 38
5415	0	+ .88	+ 24	0.8	+ 53

(158) υ Aqar 22h 29m.2 −21°13'

J.D.	h	P	m	p	v
	min				
4675	+ 6	+ .93	−144	1.0	− ".026
4682	+ 3	+ .90	−143	1.0	− 26
4683	+ 7	+ .90	−124	0.9	+ 6
4692	− 1	+ .84	−115	0.7	+ 21
4821	0	− .82	−117	0.8	+ 2
4823	− 1	− .83	−108	0.7	+ 19
4829	+ 3	− .87	−111	1.0	+ 11
5035	+ 2	+ .93	− 13	1.0	− 11
5041	+ 2	+ .93	+ 6	1.0	+ 23
5045	0	+ .91	+ 25	0.6	+ 55
5174	0	− .71	0	0.4	− 9
5185	+ 2	− .81	0	1.0	− 11
5195	+ 5	− .88	+ 12	1.0	+ 6
5196	+ 4	− .88	0	1.0	− 15
5403	+ 4	+ .93	+100	1.0	− 32
5404	+ 3	+ .93	+183	1.0	+ 122
5413	+ 2	+ .90	+ 96	1.0	− 47
5415	+ 2	+ .88	+ 92	1.0	− 55

(159) η Grus 22h 39m.5 −54°2'

J.D.	h	P	m	p	v
	min				
4698	− 5	+ .81	− 31	0.8	− ".008
4699	− 2	+ .80	− 65	0.6	− 73
4704	+ 1	+ .76	− 18	0.7	+ 17
4705	− 8	+ .75	− 18	0.8	+ 15
4826	+ 5	− .83	− 4	1.0	+ 38
5050	+ 1	+ .90	0	0.7	+ 34
5188	+ 2	− .81	0	1.0	+ 30
5190	+ 1	− .83	− 41	0.8	− 47
5199	+ 5	− .88	− 70	0.8	− 103
5416	+ 4	+ .89	0	0.8	+ 19
5434	+ 2	+ .76	+ 4	1.0	+ 26
5543	+ 1	− .72	+ 8	0.8	+ 30
5547	+ 2	− .75	+ 13	0.6	+ 38
5549	+ 3	− .78	0	0.7	+ 15
5563	+ 5	− .87	− 6	0.5	0
5765	− 3	+ .94	− 36	0.6	− 62
5779	− 2	+ .90	+ 17	0.8	+ 34
5780	− 2	+ .90	− 27	0.7	− 47

(160) θ Grus 23h 1m.2 −44°4'

J.D.	h	P	m	p	v
	min				
4452	+ 9	− .70	+100	0.5	+ ".094
4461	+ 2	− .78	+ 50	0.6	+ 2
4471	− 6	− .86	+ 46	0.8	− 4
4474	+11	− .87	+ 69	0.7	+ 41
4681	+ 1	+ .92	− 15	1.0	− 58
4682	0	+ .92	− 2	1.0	− 36
4683	+ 4	+ .92	− 13	1.0	− 55
4826	− 7	− .78	− 6	1.0	− 9
4830	− 1	− .81	− 15	1.0	− 24
4834	− 3	− .84	+ 12	1.0	+ 28
5041	0	+ .94	+ 5	1.0	+ 71
5042	+ 2	+ .94	− 11	1.0	+ 41
5053	+ 2	+ .91	+ 2	1.0	+ 70
5056	0	+ .90	+ 52	1.0	− 32
5185	+ 1	− .73	− 84	1.0	− 60
5195	0	− .81	− 69	1.0	− 30
5204	+ 6	− .87	− 46	1.0	+ 15

(161) φ Aqar 23h 9m.1 −6°35'

J.D.	h	P	m	p	v
	min				
4706	+ 4	+ .81	0	0.7	+ ".028
4710	− 3	+ .77	− 25	0.7	− 19
4711	− 9	+ .77	− 30	0.8	− 30
4713	− 1	+ .75	0	0.8	+ 30
4823	+ 3	− .74	− 14	0.7	+ 9
4840	+ 1	− .86	+ 5	0.8	+ 47
4841	+ 3	− .87	− 35	1.0	− 30
5046	+ 2	+ .93	− 49	0.5	− 71
5056	+ 5	+ .90	− 10	0.7	+ 2
5066	+ 2	+ .85	− 7	1.0	+ 8
5185	+ 5	− .71	− 56	0.6	− 79
5199	+ 3	− .83	− 11	0.8	+ 8
5206	0	− .86	− 19	0.6	− 8
5207	+ 7	− .87	0	1.0	+ 28
5410	− 2	+ .93	+ 31	0.5	+ .70
5411	0	+ .93	− 7	1.0	0
5432	− 4	+ .84	− 19	0.6	− 24

No.	Name	α (1900) h m	δ (1900) ° '	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
162	ρ Phoe	0 46.1	-51 32	209	5.22	F5	".064	-".001	±".008	±".024	+".043
163	BS 299	0 58.3	-46 56	- 313	5.34	Ko	.004	+ .018	6	21	- 12
164	o Taur	3 19.4	+ 8 41	511	3.80	G5	.102	+ .015	9	30	- 54
165	α Reti	4 13.1	-62 43	332	3.36	G5	.070	+ .009	6	19	+ 45
166	54 Erid	4 36.1	-19 52	988	4.54	Ma	.095	+ .003	8	26	+ 9
167	λ Pict	4 40.2	-50 40	1471	5.26	G5	.052	- .004	6	19	- 32
168	2 Orio	4 45.2	+ 8 44	777	4.35	Ao	.033	+ .032	8	26	0
169	ηI Pict	5 0.2	-49 18	1641	5.44	F5	.052	+ .050	7	21	- 95
170	β Mens	5 4.0	-71 27	309	5.30	Ko	.047	+ .024	6	17	- 7
171	θ Leps	6 1.6	-14 56	1331	4.67	Ao	.023	+ .009	9	28	- 18
172	η2 Dora	6 11.0	-65 34	561	4.88	Mb	.111	+ .004	7	22	+ 11
173	BS 2411	6 30.3	-36 9	2990	5.45	K2	.095	+ .026	9	28	- 29
174	7 CMaj	6 32.3	-19 10	1502	4.14	Ko	.100	+ .051	6	20	+ 85
175	BS 2462	6 36.0	-48 8	2417	5.00	Ko	.011	+ .008	11	34	- 9
176	BS 2868	7 24.8	-14 47	1925	5.94	F8	.320	- .002	8	26	- 175
177	BS 3113	7 53.7	-30 4	+ 5236	4.85	A2	.011	+ .022	7	22	+ 6
178	BS 3226	8 8.1	-42 41	3979	4.87	A3	.005	.000	7	24	- 3
179	η Pyxi	8 33.6	-25 54	6356	5.20	Ao	.015	+ .050	8	22	- 16
180	BS 4200	10 39.7	-60 3	+ 2532	4.49	K5	.035	+ .014	7	21	- 14
181	δ Musc	12 55.4	-71 1	+ 1548	3.63	K2	.264	+ .026	6	17	+ 311
182	ξI Cent	12 57.8	-48 59	7887	5.02	Ao	.057	+ .009	10	30	- 38
183	ι Musc	13 17.2	-74 22	1057	4.96	Ko	.202	+ .012	8	25	- 87
184	90 Virg	13 49.6	- 1 1	+ 2758	5.30	Ko	.088	+ .024	8	27	- 76
185	η Circ	14 56.4	-63 38	3493	5.22	G5	.122	+ .030	12	34	+ 83
186	υ Libr	15 31.0	-27 48	10464	3.78	K2	.008	+ .051	8	26	- 37
187	ζ2 Scor	16 47.5	-42 11	11646	3.75	K5	.265	+ .023	7	26	- 106
188	ξ Ophi	17 15.0	-21 0	+ 4731	4.46	F5	.319	+ .063	7	24	+ 254
189	43 Ophi	17 17.1	-28 3	13081	5.43	K2	.043	- .033	7	22	- 24
190	4 Sgtr	17 53.7	-23 48	13731	4.76	Ao	.058	+ .006	8	27	- 3
191	π Pavo	17 59.0	-63 40	4292	4.44	A5	.192	+ .027	4	15	+ 35
192	γ Scut	18 23.5	-14 38	5071	4.73	A3	.009	+ .019	6	19	- 29
193	ζ Pavo	18 31.4	-71 31	2353	4.10	Ko	.156	+ .030	7	22	- 21
194	ρ Tele	18 58.4	-52 29	11356	5.18	Go	.122	+ .017	10	34	+ 34
195	β CorA	19 3.2	-39 30	13146	4.16	G5	.037	+ .010	5	18	+ 4
196	19 Aqil	19 4.1	+ 5 55	4040	5.37	F2	.076	+ .030	7	23	- 13
197	η Tele	19 14.8	-54 37	9339	5.16	Ao	.076	+ .014	8	28	+ 5
198	36 Aqil	19 25.4	- 3 0	4612	5.22	Ma	.018	+ .030	11	37	+ 3
199	54 Sgtr	19 35.0	-16 31	5399	5.45	Ko	.088	+ .033	5	17	+ 59
200	BS 7552	19 45.1	-40 8	13514	5.39	Aop	.039	+ .017	7	23	+ 55
201	σ Capr	20 13.6	-19 26	5776	5.46	Ko	.013	+ .020	5	18	- 2
202	ρ Capr	20 23.2	-18 9	5689	4.96	Fo	.026	+ .056	5	16	- 19
203	β Indi	20 47.0	-58 50	7788	3.72	Ko	.030	- .011	6	19	- 5
204	ε Pegs	21 39.3	+ 9 25	4891	2.54	Ko	.028	+ .008	9	27	+ 32
205	δ Capr	21 41.5	-16 35	5943	2.98	A5	.395	+ .045	6	21	+ 281
206	ρ Grus	22 37.7	-41 56	-16049	4.89	Ko	.086	+ .022	5	17	+ 13
207	γ Scul	23 13.4	-33 5	16476	4.51	Ko	.073	+ .038	6	18	- 14
208	97 Aqar	23 17.4	-15 35	6406	5.30	A3	.115	+ .017	9	27	+ 103
209	δ Scul	23 43.7	-28 41	18353	4.64	Ao	.111	+ .034	6	20	+ 95

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
162	- 67	- 43	.159	- 30	+ 6	.454	+ 63	+ 10	.387				10.6	5591	- .0050
163	- 59	- 10	.364	- 45	+ 9	.143	+ 48	- 19	.357	+ 79	+ 67	.136	10.4	5587	- 1176
164	- 53	- 66	.348	- 13	+ 42	.391	+ 90	+ 24	.261				10.8	5626	+ 488
165	- 59	- 58	.228	- 29	+ 65	.248	+ 28	+ 20	.290	+ 54	- 38	.234	12.0	5504	+ 1306
166	- 54	+ 14	.220	- 17	- 39	.181	+ 18	+ 10	.327	+ 35	+ 3	.272	11.0	5275	+ 1061
167	- 67	- 25	.132	- 36	+ 23	.336	+ 29	- 59	.157	+ 44	+ 13	.375	11.7	5155	+ 727
168	- 59	- 16	.280	- 45	+ 53	.253	+ 55	+ 12	.248	+ 65	- 54	.219	11.3	5882	+ 335
169	- 35	+ 11	.257	- 22	- 36	.264	+ 3	+ 13	.242	+ 60	+ 15	.237	10.9	5896	+ 735
170	- 59	- 28	.197	- 21	+ 21	.227	+ 11	+ 19	.309	+ 48	- 19	.267	11.6	5909	- 238
171	- 36	+ 49	.341	- 35	- 62	.230	+ 31	- 4	.215	+ 63	- 7	.214	12.3	5548	+ 722
172	- 39	- 53	.309	- 37	+ 18	.152	- 14	+ 19	.181	+ 56	+ 29	.358	10.9	5914	- 302
173	- 74	+ 25	.136	- 53	- 4	.336	+ 41	+ 21	.152	+ 57	- 14	.376	11.0	5678	- 223
174	- 53	+ 24	.262	- 43	- 6	.176	+ 30	+ 22	.342	+ 50	- 57	.220	10.8	4947	+ 650
175	- 46	+ 38	.356	- 36	- 41	.328	+ 89	0	.316				11.2	5687	+ 806
176	- 59	+ 2	.189	- 35	- 17	.284	+ 19	+ 28	.204	+ 54	- 4	.323	10.0	5212	+ 1151
177	- 48	- 63	.192	- 46	+ 44	.232	+ 19	+ 56	.300	+ 52	- 54	.276	11.3	5224	- 34
178	- 66	- 2	.168	- 37	- 60	.159	+ 7	+ 38	.353	+ 45	- 10	.320	10.6	5704	- 1000
179	- 64	- 58	.333	- 15	+ 65	.349	+ 84	- 11	.318				10.9	4982	+ 316
180	- 55	- 33	.211	- 50	+ 40	.230	+ 37	+ 18	.291	+ 46	- 27	.268	9.5	5031	- 458
181	- 70	- 26	.152	- 17	+ 20	.175	+ 17	+ 37	.362	+ 23	- 42	.311	10.8	5051	- 555
182	- 74	- 3	.275	- 27	+ 37	.225	+ 45	- 69	.275	+ 62	+ 50	.225	11.9	5053	- 700
183	- 90	- 44	.170	- 16	+ 43	.247	+ 27	+ 34	.345	+ 41	- 62	.238	11.0	5432	- 1013
184	- 51	- 6	.239	+ 6	+ 33	.396	+ 26	- 32	.365				11.0	5072	- 157
185	- 40	- 44	.217	- 32	+ 40	.238	+ 24	+ 45	.292	+ 36	- 53	.253	11.0	5079	- 1215
186	- 38	- 36	.411	- 29	+ 54	.291	+ 80	- 2	.298				10.5	5106	- 1135
187	- 45	+ 59	.267	- 32	- 53	.265	+ 43	- 44	.233	+ 45	+ 36	.235	10.3	6051	+ 620
188	- 73	- 7	.315	- 12	+ 40	.205	+ 47	+ 36	.197	+ 58	- 46	.283	10.9	5124	+ 701
189	- 40	- 19	.331	+ 3	+ 40	.435	+ 51	- 48	.234				11.5	5853	- 236
190	- 40	+ 39	.260	- 34	+ 44	.156	+ 12	- 47	.365	+ 52	0	.219	10.8	4979	+ 715
191	- 47	- 17	.235	- 9	+ 13	.306	+ 22	+ 49	.255	+ 40	- 62	.204	10.6	5858	- 1097
192	- 55	+ 27	.313	- 20	- 72	.161	+ 39	- 68	.183	+ 39	+ 46	.343	9.8	5128	+ 365
193	- 47	+ 38	.180	- 40	- 45	.399	+ 15	+ 43	.129	+ 77	+ 20	.292	10.5	4985	+ 1406
194	- 78	- 8	.398	+ 36	- 52	.177	+ 58	+ 29	.425				11.0	5875	- 735
195	- 48	+ 28	.196	+ 6	+ 15	.522	+ 21	- 47	.282				10.0	5878	- 349
196	- 32	+ 21	.290	- 11	- 51	.200	- 5	+ 17	.308	+ 65	- 6	.202	11.4	5376	+ 477
197	- 67	+ 36	.276	- 52	- 50	.229	+ 60	+ 17	.269	+ 62	- 14	.226	10.2	5878	- 657
198	- 61	- 14	.319	- 26	+ 36	.280	+ 57	+ 27	.175	+ 75	- 45	.226	11.8	5148	+ 1333
199	- 42	- 38	.256	- 41	+ 62	.195	+ 31	- 27	.311	+ 38	+ 26	.238	11.4	5009	+ 1100
200	- 74	- 60	.246	- 30	+ 24	.288	+ 41	+ 67	.251	+ 78	- 42	.215	12.4	5880	+ 155
201	- 55	- 16	.231	- 14	+ 16	.411	+ 36	+ 8	.231	+ 80	- 36	.127	11.0	5163	- 1000
202	- 84	- 5	.257	- 46	+ 46	.204	+ 53	- 54	.322	+ 64	+ 42	.217	10.5	5158	- 651
203	- 41	+ 30	.517	+ 37	- 55	.335	+ 58	+ 21	.148				10.4	5162	- 1093
204	- 65	- 48	.200	- 3	+ 48	.318	+ 21	- 68	.182	+ 34	+ 22	.300	11.5	5765	- 490
205	- 33	- 24	.517	+ 34	+ 55	.259	+ 39	- 8	.224				10.4	5182	*
206	- 50	+ 15	.363	- 7	- 25	.327	+ 67	+ 9	.310				9.7	5775	+ 930
207	- 68	- 3	.252	- 45	+ 31	.191	+ 45	+ 11	.242	+ 49	- 24	.315	11.0	5191	+ 1594
208	- 73	+ 32	.206	- 30	- 64	.202	+ 3	+ 45	.300	+ 73	- 24	.292	10.5	5204	- 173
209	- 56	+ 35	.258	+ 5	+ 50	.316	+ 27	- 55	.195	+ 33	- 61	.231	11.5	5204	+ 74

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
162	13.7	+18.20	201.1	+2.84	+4.25	10.20	9.61	+.0064	+.1199	+.0011	-.00036	+.00063	-.00005
163	15.1	+6.31	159.3	+0.54	-0.63	10.81	10.79	-57	-298	+104	-34	-17	+96
164	14.4	-46.24	397.9	+1.47	+2.02	10.07	9.74	+162	-2413	+45	-146	-78	+81
165	15.7	-20.43	450.7	+3.81	-3.17	11.75	10.81	-235	+3123	+8	-76	+66	+50
166	14.7	-6.90	221.3	+1.56	+0.43	10.64	10.46	-156	+371	0	-102	+14	+14
167	13.2	+14.25	199.0	-0.97	-2.37	9.84	9.76	-182	-1067	-3	-88	-48	-22
168	15.5	+1.01	99.8	+1.65	+8.42	11.83	10.97	-244	+129	+173	-176	0	+170
169	14.0	-1.48	81.5	+0.64	+3.40	9.66	9.48	+512	-1080	+233	+339	-138	+268
170	10.9	-5.56	55.2	+0.11	+0.89	6.84	6.82	-201	+61	+83	-191	-10	+126
171	13.6	+4.63	298.5	+0.32	-7.08	9.43	9.25	-16	-810	+63	-4	-26	+48
172	14.9	+1.42	96.5	-0.30	+4.97	10.58	10.31	+157	+179	+30	+105	+16	+23
173	15.2	+18.59	191.1	+1.67	+10.55	10.63	10.02	+246	-291	+136	+198	-42	+139
174	15.9	+6.33	110.7	-5.13	+.18	12.19	10.48	+160	+1453	+261	+139	+123	+271
175	14.2	+13.68	159.2	-1.21	+1.50	10.31	10.16	+31	-140	+40	+37	-12	+45
176	14.8	+3.83	192.9	-2.04	-2.96	11.30	10.99	-162	-4924	+70	-45	-255	-13
177	15.9	+4.88	267.6	-5.35	+12.15	12.55	10.04	-165	+361	+195	-67	+9	+118
178	16.3	+30.77	320.0	-5.10	-7.53	12.03	10.41	-233	-564	+72	-134	-5	0
179	14.0	-2.55	136.0	-6.27	+1.65	10.55	7.74	+68	-320	+173	+163	-24	+264
180	14.6	+1.09	117.4	-5.99	+4.23	11.20	8.55	+165	-200	-12	+145	-21	+75
181	14.6	+2.72	98.9	-4.10	+0.18	10.85	9.69	-67	+4460	+195	-92	+453	+137
182	13.6	+6.56	95.1	-3.73	-2.17	9.87	8.85	+371	-334	-56	+312	-56	+50
183	16.0	+6.27	314.1	-1.64	+4.63	11.14	10.89	-223	-3984	+30	-84	-126	+67
184	16.8	+6.07	123.8	-3.79	+1.04	11.82	10.91	-143	-1359	+144	-17	-110	+127
185	11.2	+4.70	71.4	-1.33	+3.93	7.91	7.46	-357	+762	+218	-351	+121	+157
186	16.0	-2.00	262.5	+3.48	-0.13	11.89	11.13	+12	-1416	+301	-58	-54	+270
187	14.8	-7.40	155.0	+1.22	-2.18	12.91	12.79	-459	-2113	+147	-397	-154	+126
188	14.1	+3.07	99.4	-1.68	+1.75	11.02	10.80	+457	+3826	+388	+283	+370	+336
189	11.9	-2.33	63.5	-0.24	+2.39	10.41	10.27	-150	-230	-188	-136	-35	-176
190	14.4	-1.13	109.9	+2.93	+5.78	11.46	10.54	+78	-37	+50	+47	-5	+34
191	13.4	+8.77	78.2	-2.49	-6.89	11.59	10.75	-101	+227	+154	-82	+51	+145
192	12.8	+4.58	94.4	-0.25	+3.81	10.24	10.08	-239	-436	+92	-170	-42	+101
193	14.0	-5.59	101.0	+1.95	+1.43	11.37	11.05	-129	-199	+155	-127	-29	+161
194	14.5	-4.37	131.1	-3.95	-2.55	12.75	11.56	+368	+492	-12	+293	+49	+91
195	17.0	-8.21	137.8	-1.70	-3.97	14.55	14.24	-90	+87	+84	-45	+5	+53
196	13.3	+11.77	154.0	-0.33	-3.85	10.55	10.45	+392	+29	+162	+314	-18	+157
197	16.6	+1.43	181.9	-3.11	-1.71	14.25	13.66	-177	+103	+131	-93	+7	+72
198	13.7	+3.95	176.1	+1.15	-0.51	11.43	11.33	+130	+110	+192	+80	+5	+160
199	13.4	-3.79	101.7	+1.23	+3.33	11.17	10.93	-20	+934	+227	-8	+86	+178
200	12.1	+8.56	85.1	+0.21	-2.14	10.23	10.16	-67	+564	+74	-113	+80	+92
201	14.8	-3.22	199.9	+1.12	-0.32	11.62	11.54	-193	-28	+106	-139	-3	+105
202	14.3	-5.88	199.2	+2.02	-4.63	11.85	11.50	+471	-857	+424	+277	-28	+300
203	13.1	-7.89	179.7	+3.48	+0.39	10.46	9.50	-166	-35	-102	-114	-7	-59
204	11.9	-5.45	72.5	-0.94	+4.26	9.04	8.76	+107	+289	+46	+114	+46	+41
205	14.9	+3.45	239.2	+1.00	-2.97	11.46	11.35	+532	+276	+307	+339	+410	+241
206	16.1	-9.75	156.8	+1.20	+3.74	11.88	11.66	-94	+390	+141	-56	+19	+118
207	15.3	+8.68	522.0	+4.17	+0.95	11.50	10.35	+79	-1066	+233	+8	-21	+201
208	13.7	-9.45	197.8	+0.14	-7.38	9.41	9.13	+84	+2749	-25	+164	+150	+89
209	16.5	+3.89	430.5	+1.41	-13.29	12.41	11.86	+80	+5685	+41	0	+138	+180

(162) ρ Phoe 0h 46m.1 −51°32'

J.D.	h	P	m	p	v
	min				
5081	+ 3	+ .91	− 32	0.6	+ ".008
5105	+ 3	+ .75	− 50	0.8	− 30
5225	+ 4	− .82	− 33	0.8	− 11
5434	0	+ .94	0	1.0	+ 26
5451	+ 3	+ .89	− 13	0.6	− 2
5452	+ 3	+ .88	0	0.8	+ 24
5582	+ 9	− .76	+ 23	0.8	+ 53
5591	+ 9	− .82	0	1.0	+ 6
5803	+ 8	+ .93	0	0.6	− 17
5813	+ 3	+ .91	− 53	0.5	− 118
5944	+ 3	− .73	+ 17	0.8	− 4
5953	+ 8	− .81	+ 35	0.8	+ 30
5956	+ 5	− .82	− 19	0.8	− 71
5957	+ 11	− .83	+ 23	0.6	+ 6
6159	− 2	+ .94	+ 30	0.7	− 4
6165	+ 8	+ .94	+ 17	0.7	− 28
6166	+ 5	+ .93	+ 57	1.0	+ 45
6179	0	+ .91	+ 43	0.8	+ 19

(163) BS 299 0h 58m.3 −46°56'

J.D.	h	P	m	p	v
	min				
5081	− 2	+ .93	+ 8	0.6	− ".013
5084	− 5	+ .91	− 4	0.7	− 34
5214	0	− .70	0	1.0	+ 8
5229	+ 5	− .83	0	0.7	+ 9
5434	− 5	+ .94	+ 11	1.0	+ 6
5439	− 6	+ .94	+ 25	1.0	+ 34
5451	− 3	+ .91	− 18	0.6	− 47
5582	+ 2	− .73	− 23	1.0	− 24
5583	0	− .74	+ 15	0.8	+ 47
5591	+ 3	− .81	0	1.0	+ 23
5593	− 3	− .82	− 20	0.7	− 17
5804	− 3	+ .94	+ 15	1.0	+ 26
5806	− 2	+ .93	0	0.6	− 4
5941	+ 8	− .67	+ 7	1.0	+ 41
5951	+ 4	− .77	− 59	0.8	− 79
5956	− 1	− .81	− 26	1.0	− 17
6166	− 2	+ .93	− 13	1.0	− 15
6167	+ 1	+ .94	+ 8	0.6	+ 23

(164) o Taur 3h 19m.4 +8°41'

J.D.	h	P	m	p	v
	min				
4775	+ 3	+ .84	+ 81	0.7	+ ".043
4780	+ 7	+ .79	+ 52	0.8	− 11
4790	0	+ .68	+ 56	0.8	0
4891	+ 4	− .80	+ 64	0.7	+ 53
4892	+ 2	− .81	+ 50	1.0	+ 26
4893	+ 6	− .81	+ 22	0.6	− 24
4896	+ 4	− .83	+ 16	0.6	− 36
5129	− 1	+ .92	+ 47	0.8	+ 28
5140	+ 8	+ .84	+ 30	0.7	0
5147	+ 6	+ .77	− 21	0.7	− 92
5249	+ 6	− .72	− 16	0.6	− 47
5612	+ 3	− .70	− 53	0.8	− 62
5624	+ 5	− .81	0	1.0	+ 41
5626	+ 7	− .83	0	0.6	+ 39
5627	+ 4	− .84	− 32	0.7	− 19
5850	− 3	+ .96	− 26	0.7	− 4
5853	+ 2	+ .94	− 61	1.0	− 70
5854	− 8	+ .94	− 7	1.0	+ 34
5862	+ 3	+ .90	+ 26	0.6	+ 98

(165) α Reti 4h 13m.1 −62°43'

J.D.	h	P	m	p	v
	min				
4536	− 2	− .78	− 102	0.6	− ".049
4765	− 6	+ .98	− 47	1.0	+ 8
4776	− 2	+ .93	− 68	1.0	− 32
4797	− 2	+ .76	− 60	0.6	− 21
4896	+ 2	− .73	− 68	0.8	− 30
4910	+ 6	− .86	− 17	0.6	+ 64
5134	+ 7	+ .96	0	0.6	+ 51
5145	+ 3	+ .91	0	1.0	+ 51
5150	+ 4	+ .87	− 40	1.0	− 24
5264	+ 8	− .76	− 24	0.8	+ 8
5273	+ 2	− .85	− 30	0.8	− 8
5500	+ 6	+ .96	+ 6	0.7	+ 19
5507	+ 10	+ .93	− 16	0.6	− 24
5525	+ 7	+ .78	− 4	0.8	− 2
5627	+ 2	− .74	+ 20	1.0	+ 43
6001	+ 3	− .83	+ 10	0.8	− 21
6004	+ 5	− .85	+ 15	0.7	− 13
6236	+ 3	+ .94	+ 40	0.8	− 11
6242	+ 4	+ .90	+ 35	0.7	− 21
6244	− 6	+ .89	+ 47	0.8	+ 4

(166) 54 Erid 4h 36m.1 −19°52'

J.D.	h	P	m	p	v
	min				
4796	+ 2	+ .83	− 45	0.6	− ".056
4799	+ 5	+ .80	− 8	0.8	+ 13
4800	− 1	+ .79	− 9	1.0	+ 11
4801	0	+ .77	− 7	0.8	+ 15
4910	+ 3	− .83	+ 19	0.6	+ 66
4913	+ 4	− .85	0	0.6	+ 30
4918	− 4	− .89	− 31	0.7	− 28
4919	+ 1	− .90	+ 4	0.8	+ 38
5154	+ 9	+ .89	− 23	1.0	− 23
5159	+ 2	+ .85	− 42	1.0	− 58
5163	− 3	+ .81	+ 34	0.7	+ 85
5265	+ 3	− .72	− 40	1.0	− 55
5285	+ 11	− .90	− 38	0.8	− 51
5641	+ 4	− .83	0	1.0	+ 11
5645	+ 4	− .86	0	1.0	+ 11
5868	+ 5	+ .98	+ 11	1.0	+ 23
5874	0	+ .96	0	0.6	+ 2
5886	− 9	+ .88	0	0.7	+ 2

(167) λ Pict 4h 40m.2 −50°40'

J.D.	h	P	m	p	v
	min				
4800	+ 1	+ .80	+ 31	0.8	+ ".047
4801	+ 2	+ .79	+ 17	0.5	+ 21
4892	+ 6	− .61	+ 21	1.0	+ 28
4918	+ 6	− .88	+ 12	0.7	+ 15
4919	+ 3	− .89	− 24	1.0	− 53
4921	+ 9	− .91	0	1.0	0
5145	+ 5	+ .96	− 40	0.8	− 55
5152	+ 5	+ .91	− 12	1.0	− 4
5159	+ 8	+ .86	− 20	0.8	− 17
5163	+ 3	+ .82	0	0.6	+ 21
5641	+ 5	− .83	− 31	0.6	− 4
5644	+ 11	− .85	0	0.6	+ 56
5645	+ 5	− .85	− 39	1.0	− 17
5650	+ 7	− .90	− 28	0.7	+ 6
5651	+ 7	− .91	− 27	0.7	+ 8
5877	+ 2	+ .95	− 53	0.8	− 17
5887	− 1	+ .88	− 35	0.6	+ 19

(168) 2 Orio $4^h 45^m.2$ +8°44'

J.D.	h	P	m	p	v
	min				
5511	− 2	+ .96	+ 19	0.7	+ ".039
5518	− 2	+ .92	− 11	0.8	− 19
5522	+ 1	+ .89	0	0.6	+ 6
5636	− 1	− .76	− 19	0.8	+ 21
5649	+ 5	− .88	− 23	0.8	+ 19
5651	+ 7	− .90	− 69	1.0	− 70
5652	+ 8	− .91	− 48	1.0	− 28
5868	0	+ .99	+ 16	1.0	+ 32
5886	+ 2	+ .90	0	0.7	+ 4
5893	− 6	+ .84	− 10	1.0	− 11
5997	− 2	− .71	0	0.8	+ 55
6002	0	− .77	+ 15	1.0	+ 86
6005	+ 1	− .80	− 49	1.0	− 34
6007	+ 3	− .82	− 45	0.8	− 24
6235	0	+ .98	0	0.7	0
6237	− 2	+ .98	0	1.0	+ 2
6256	− 4	+ .86	− 28	1.0	− 49
6262	+ 2	+ .80	− 7	0.8	− 6

(169) η^1 Pict $5^h 0^m.2$ −49°18'

J.D.	h	P	m	p	v
	min				
5525	− 9	+ .89	+ 135	0.6	+ ".053
5543	− 8	+ .71	+ 110	1.0	+ 15
5545	− 1	+ .68	+ 107	0.7	+ 11
5646	− 1	− .83	+ 14	0.8	− 58
5650	− 3	− .86	+ 61	0.8	+ 30
5654	0	− .90	+ 32	1.0	− 23
5886	+ 1	+ .92	+ 65	0.7	+ 11
5896	− 1	+ .85	+ 37	0.6	− 38
5900	− 8	+ .80	+ 24	0.8	− 58
5902	− 8	+ .79	+ 53	0.6	− 4
6002	+ 1	− .74	0	1.0	+ 4
6005	− 7	− .76	0	1.0	+ 4
6014	− 6	− .85	+ 11	1.0	+ 32
6016	− 5	− .87	0	1.0	+ 9
6246	− 5	+ .96	− 6	0.8	− 30
6256	− 2	+ .89	+ 33	0.8	+ 47
6265	0	+ .81	+ 4	0.8	− 4

(170) β Mens $5^h 4^m.0$ −71°27'

J.D.	h	P	m	p	v
	min				
5543	+ 1	+ .71	0	0.7	+ ".011
5546	− 3	+ .68	− 10	0.6	− 8
5547	− 7	+ .66	− 10	0.6	− 4
5650	0	− .85	− 12	0.7	+ 28
5654	+10	− .89	− 35	0.8	− 15
5655	− 2	− .90	− 40	0.6	− 21
5896	+ 8	+ .85	0	0.6	+ 15
5903	− 5	+ .77	− 28	0.7	− 36
5910	−10	+ .70	0	1.0	+ 19
5914	− 5	+ .65	− 15	0.5	− 6
6002	+ 5	− .73	− 43	0.8	− 26
6007	+ 2	− .79	0	1.0	+ 56
6013	0	− .84	− 34	0.5	− 6
6015	− 3	− .85	− 51	0.7	− 38
6246	+ 2	+ .96	− 22	0.5	− 23
6265	+ 4	+ .81	− 5	0.6	+ 15

(171) θ Leps $6^h 1^m.6$ −14°56'

J.D.	h	P	m	p	v
	min				
4800	− 5	+ .95	+ 52	1.0	+ ".055
4802	− 2	+ .94	+ 49	0.7	+ 49
4830	− 4	+ .67	− 16	0.8	− 70
5305	+ 5	− .93	+ 8	0.8	+ 11
5307	+ 3	− .93	0	0.8	− 4
5312	+ 5	− .96	0	0.7	0
5548	+ 6	+ .81	0	0.8	− 8
5549	+ 7	+ .81	− 34	0.7	− 70
5641	+ 1	− .61	− 45	1.0	− 73
5649	+ 6	− .71	+ 24	0.7	+ 56
5678	+ 4	− .96	− 4	0.6	+ 9
5921	+ 5	+ .73	0	0.7	+ 13
5923	− 3	+ .70	− 9	1.0	− 4
6029	0	− .86	+ 7	1.0	+ 47
6038	+ 7	− .94	− 31	0.8	− 26
6274	− 1	+ .86	− 22	0.8	− 11
6287	+ 1	+ .72	+ 5	0.7	+ 39

(172) η^2 Dora $6^h 11^m.0$ −65°34'

J.D.	h	P	m	p	v
	min				
5551	+ 5	+ .80	+ 6	0.6	".000
5553	+ 3	+ .78	0	1.0	− 13
5560	− 3	+ .70	+ 25	0.7	+ 36
5650	− 2	− .71	− 36	0.6	− 75
5655	− 7	− .76	+ 11	0.8	+ 11
5670	+ 3	− .91	+ 37	0.7	+ 62
5676	+ 4	− .94	− 27	0.8	− 60
5903	+ 6	+ .92	+ 24	0.7	+ 23
5918	+ 2	+ .78	− 6	0.6	− 36
5921	+ 2	+ .75	+ 28	0.7	+ 30
6023	+ 6	− .80	+ 28	0.8	+ 32
6029	− 2	− .86	+ 17	1.0	+ 13
6035	+ 6	− .90	+ 13	1.0	+ 4
6039	+ 8	− .92	+ 23	0.7	+ 24
6040	+ 3	− .93	0	1.0	− 21
6265	− 1	+ .94	+ 35	1.0	+ 32
6273	+ 3	+ .88	0	0.8	− 36
6277	+ 2	+ .84	+ 10	0.8	− 15
6292	+ 8	+ .68	0	0.6	− 36

(173) BS 2411 $6^h 30^m.3$ −36°9'

J.D.	h	P	m	p	v
	min				
5205	− 6	+ .62	+ 60	0.8	+ ".021
5303	+ 2	− .85	+ 5	1.0	− 36
5548	− 4	+ .87	+ 83	1.0	+ 86
5553	+ 2	+ .83	+ 24	1.0	− 23
5560	+ 1	+ .75	+ 7	0.8	− 53
5568	+ 3	+ .66	+ 19	0.7	− 28
5663	+ 4	− .80	− 10	0.6	− 45
5676	+ 2	− .91	+ 28	0.8	+ 41
5685	+ 6	− .96	+ 36	1.0	+ 29
5686	+ 2	− .97	0	0.8	− 13
5906	+ 1	+ .93	− 4	0.7	− 51
5922	+ 5	+ .79	+ 26	0.7	+ 9
6028	0	− .80	− 19	0.8	− 23
6030	0	− .82	0	0.7	+ 11
6046	+ 5	− .94	− 27	0.5	− 36
6274	+ 3	+ .90	− 20	1.0	− 53
6276	+ 4	+ .90	+ 10	1.0	+ 8
6292	+ 3	+ .73	+ 43	0.7	+ 73
6300	+ 4	+ .63	+ 15	0.6	+ 23

(174) 7 CMaj $6^h 32^m.3$ −19°10'

J.D.	h	P	m	p	v
	min				
4557	+ 7	− .68	− 46	0.6	+".017
4574	+ 2	− .86	− 65	0.7	− 19
4592	+ 8	− .97	− 50	1.0	+ 9
4594	+ 5	− .98	− 45	0.7	+ 19
4813	+ 1	+ .91	+ 11	0.8	− 19
4820	− 6	+ .85	+ 14	1.0	− 13
4823	− 3	+ .83	+ 24	0.7	+ 6
4944	+ 6	− .90	− 7	1.0	+ 8
4945	+ 1	− .91	+ 13	1.0	+ 45
4947	− 2	− .92	− 42	1.0	− 58
4953	+ 3	− .95	− 16	0.8	− 9
5175	− 2	+ .93	+ 78	0.8	+ 23
5193	+ 4	+ .78	+ 92	1.0	+ 49
5198	− 6	+ .72	+ 44	1.0	− 41
5302	− 1	− .83	+ 43	1.0	+ 15
5306	+ 2	− .87	+ 26	0.8	− 17
5312	− 1	− .92	+ 15	1.0	− 38
5316	0	− .94	+ 47	1.0	+ 23

(175) BS 2462 $6^h 35^m.9$ −48°8'

J.D.	h	P	m	p	v
	min				
5205	+ 4	+ .64	− 16	0.6	−".055
5318	− 2	− .95	− 9	0.7	− 24
5325	+ 8	− .98	0	0.7	− 8
5548	+ 8	+ .88	+ 40	1.0	+ 56
5553	+ 5	+ .84	− 28	1.0	− 71
5568	+ 8	+ .67	+ 12	0.7	+ 9
5570	− 4	+ .64	+ 40	0.7	+ 60
5685	+ 5	− .96	+ 30	1.0	+ 56
5687	+ 5	− .97	− 13	0.8	− 24
5690	+ 5	− .98	− 12	0.8	− 19
5923	+ 3	+ .79	+ 26	1.0	+ 39
6029	+ 5	− .80	0	1.0	+ 8
6035	+ 3	− .85	+ 18	0.8	+ 41
6048	+ 8	− .95	0	0.6	+ 9
6050	+ 3	− .96	− 29	0.7	− 43
6276	+ 4	+ .90	+ 31	0.8	+ 56
6298	+ 3	+ .68	− 5	0.7	− 6
6303	+ 4	+ .61	− 86	0.6	− 160

(176) BS 2868 $7^h 24^m.8$ −14°47'

J.D.	h	P	m	p	v
	min				
4609	+ 9	− .99	+ 166	0.7	+".030
4611	+ 4	− .99	+ 128	0.8	− 41
4840	− 3	+ .77	+ 69	0.7	− 38
4842	− 6	+ .75	+ 97	0.8	− 15
4848	+ 1	+ .68	+ 122	0.7	+ 66
4949	0	− .83	+ 78	0.7	+ 26
4978	+ 6	− .99	+ 60	0.7	+ 8
5193	+ 4	+ .88	+ 30	0.8	+ 56
5198	+ 5	+ .84	− 53	0.8	− 96
5214	− 2	+ .67	0	0.8	+ 11
5329	+ 6	− .94	− 42	0.8	− 17
5332	+ 3	− .96	− 36	0.7	− 2
5336	+ 11	− .97	− 66	0.6	− 58
5560	+ 3	+ .87	− 117	1.0	− 41
5570	+ 5	+ .77	− 76	0.7	+ 38
5582	+ 4	+ .64	− 91	0.7	+ 17
5695	+ 1	− .94	− 128	1.1	− 4
5697	+ 6	− .96	− 105	1.0	+ 43
5705	+ 9	− .99	− 130	0.7	− 2

(177) BS 3113 $7^h 53^m.7$ −30°4'

J.D.	h	P	m	p	v
	min				
4609	+ 7	− .96	− 41	1.0	−".032
4611	− 8	− .97	− 13	1.0	+ 19
4618	+ 10	− .98	− 31	1.0	− 11
4620	+ 6	− .99	− 12	1.0	+ 23
5206	+ 5	+ .82	+ 11	0.8	+ 13
5214	+ 4	+ .74	+ 29	1.0	+ 51
5223	− 6	+ .63	0	0.6	− 2
5224	− 3	+ .62	− 23	0.6	− 47
5325	+ 1	− .86	− 31	1.0	− 28
5330	− 2	− .90	− 33	0.8	− 32
5340	+ 5	− .96	0	0.8	+ 30
5568	+ 3	+ .85	+ 18	0.7	+ 23
5570	+ 3	+ .83	− 43	0.6	− 92
5571	0	+ .82	− 8	0.8	− 28
5581	+ 4	+ .72	+ 31	0.6	+ 51
5697	+ 3	− .91	0	0.8	+ 26
5705	0	− .96	− 4	0.8	+ 17
5707	− 5	− .97	− 26	1.0	− 21
5708	− 2	− .97	− 6	1.0	+ 17

(178) BS 3226 $8^h 8^m.0$ −42°41'

J.D.	h	P	m	p	v
	min				
5348	+ 1	− .98	0	1.0	+".023
5350	− 5	− .98	− 41	1.0	− 56
5355	+ 6	− .98	0	0.8	+ 23
5582	+ 1	+ .75	+ 16	0.7	+ 53
5583	− 3	+ .73	− 4	0.8	+ 17
5593	+ 2	+ .61	− 16	1.0	− 8
5696	+ 2	− .88	− 7	0.6	+ 13
5705	+ 2	− .94	− 37	0.8	− 45
5706	+ 4	− .94	− 22	1.0	− 17
5708	+ 4	− .95	0	1.0	+ 26
5943	+ 1	+ .79	− 22	1.0	− 15
5950	+ 3	+ .71	− 9	1.0	+ 11
6300	0	+ .85	− 33	0.8	− 32
6323	+ 7	+ .62	− 31	0.8	− 26
6421	+ 3	− .83	− 8	1.0	+ 15
6424	− 1	− .86	+ 21	1.0	+ 73
6434	+ 3	− .93	− 40	1.0	− 45
6439	− 1	− .96	− 19	1.0	− 4

(179) η Pyxi $8^h 33^m.6$ −25°54'

J.D.	h	P	m	p	v
	min				
4503	+ 7	+ .62	− 12	0.4	−".103
4504	+ 4	+ .60	+ 75	0.7	+ 58
4605	+ 1	− .86	0	1.0	− 4
4618	+ 4	− .94	0	0.8	0
4619	+ 2	− .94	+ 10	1.0	+ 17
4621	+ 5	− .95	+ 14	1.0	+ 28
4859	+ 1	+ .72	+ 45	0.8	+ 13
4965	0	− .82	− 33	0.8	− 53
4980	− 3	− .92	− 47	0.6	− 73
4982	− 3	− .94	0	0.6	+ 17
4984	− 3	− .94	− 23	0.7	− 28
5215	+ 1	+ .82	+ 30	0.8	− 6
5217	− 1	+ .79	+ 40	0.5	+ 17
5223	− 2	+ .74	+ 21	0.8	− 19
5329	0	− .81	+ 10	0.7	+ 43
5348	0	− .94	− 25	0.8	− 15
5350	0	− .95	− 5	1.0	+ 24
5357	+ 6	− .97	− 12	1.0	+ 13

(180) BS 4200 $10^h 39^m.7$ -60°3'

J.D.	h	P	m	p	v
	min				
4658	+ 2	- .93	- 4	1.0	-".036
4661	+ 5	- .94	+ 10	1.0	- 11
4663	+ 4	- .94	+ 35	1.0	+ 38
4668	+ 8	- .94	+ 21	1.0	+ 13
4891	0	+ .69	- 8	0.6	- 58
4892	+ 2	+ .68	+ 4	0.7	- 36
4894	+ 1	+ .66	+ 27	0.7	+ 11
5028	+ 4	- .94	+ 42	0.7	+ 64
5031	+ 7	- .94	+ 16	1.0	+ 17
5034	- 1	- .94	0	0.7	- 15
5244	+ 2	+ .80	+ 24	1.0	+ 15
5248	+ 4	+ .77	+ 13	0.8	- 8
5249	+ 3	+ .75	+ 41	0.8	+ 51
5383	+ 6	- .91	0	0.8	- 2
5388	+ 2	- .93	0	1.0	0
5397	- 3	- .94	0	0.8	0
5398	+ 1	- .94	- 26	1.0	- 47

(181) δ Musc $12^h 55^m.4$ -71°1'

J.D.	h	P	m	p	v
	min				
4687	+ 3	- .90	- 184	0.7	+".004
4691	- 1	- .91	- 170	0.7	+ 26
4692	+ 3	- .92	- 188	0.8	- 6
4696	+ 5	- .92	- 190	0.7	- 11
4905	+ 2	+ .87	- 52	1.0	+ 21
4912	- 3	+ .82	- 73	0.6	- 23
4916	- 6	+ .79	- 69	0.6	- 19
4921	- 4	+ .75	- 54	0.7	+ 8
5039	+ 1	- .81	- 21	0.8	+ 9
5052	+ 2	- .89	- 51	1.0	- 56
5056	- 2	- .91	- 10	0.8	+ 17
5059	+ 1	- .92	- 3	0.7	+ 28
5277	+ 6	+ .82	+ 119	1.0	+ 26
5288	+ 1	+ .73	+ 116	0.7	+ 15
5292	+ 4	+ .69	+ 86	0.8	- 43
5418	- 1	- .90	+ 153	0.6	+ 13
5425	- 1	- .92	+ 150	0.7	+ 6
5430	0	- .94	+ 145	0.7	- 9
5431	- 1	- .94	+ 150	1.0	- 2

(182) ξ^1 Cent $12^h 57^m.8$ -48°59'

J.D.	h	P	m	p	v
	min				
4681	0	- .86	- 5	0.7	-".096
4691	+ 9	- .91	+ 71	0.6	+ 47
4697	- 3	- .93	+ 73	1.0	+ 51
4916	- 1	+ .80	+ 44	1.0	+ 4
4919	- 4	+ .76	+ 20	0.6	- 41
4921	- 1	+ .76	+ 38	1.0	- 8
5042	+ 1	- .83	+ 55	0.7	+ 53
5053	+ 3	- .90	+ 38	0.6	+ 21
5056	+ 2	- .91	+ 21	0.8	- 11
5060	+ 1	- .92	+ 9	0.7	- 34
5273	+ 1	+ .85	+ 75	0.8	+ 100
5288	+ 5	+ .73	+ 4	0.8	- 34
5300	+ 4	+ .61	+ 11	1.0	- 21
5418	+ 1	- .90	+ 19	0.8	+ 26
5425	+ 6	- .92	+ 18	0.7	+ 24
5430	+ 5	- .94	+ 8	0.8	+ 6
5431	+ 3	- .94	- 27	1.0	- 60

(183) ι Musc $13^h 17^m.2$ -74°22'

J.D.	h	P	m	p	v
	min				
4698	+ 5	- .93	+ 55	0.6	-".043
4700	+ 5	- .93	+ 90	0.8	+ 23
4927	+ 4	+ .75	+ 65	1.0	+ 8
4933	- 8	+ .70	+ 63	0.6	+ 6
5048	+ 3	- .84	0	0.8	- 62
5064	+ 2	- .93	+ 72	0.8	+ 73
5302	+ 5	+ .65	+ 5	1.0	- 11
5306	- 1	+ .60	+ 8	0.8	- 8
5431	+ 6	- .93	- 27	1.0	- 24
5434	- 1	- .94	0	1.0	+ 30
5646	+ 7	+ .84	- 38	1.0	- 17
5656	+ 10	+ .76	- 16	1.0	+ 30
5662	- 4	+ .70	0	0.8	+ 58
5789	+ 5	- .90	- 80	0.6	- 39
5794	+ 7	- .93	- 83	1.0	- 41
6009	+ 6	+ .86	- 85	1.0	- 17
6028	- 3	+ .70	- 107	0.7	- 56
6161	+ 4	- .93	- 84	0.8	+ 43
6165	+ 5	- .94	- 87	0.7	+ 38

(184) 90 Virg $13^h 49^m.6$ -1°1'

J.D.	h	P	m	p	v
	min				
4692	+ 5	- .84	+ 38	0.6	+".019
4698	0	- .90	+ 14	1.0	- 26
4699	- 3	- .90	0	0.7	- 53
4706	+ 2	- .93	+ 42	1.0	+ 26
4927	0	+ .82	+ 18	1.0	- 8
4933	- 8	+ .78	- 13	0.6	- 66
4943	+ 1	+ .68	+ 32	1.0	+ 19
4945	- 2	+ .66	+ 40	0.7	+ 34
5064	+ 1	- .90	0	0.8	+ 26
5076	- 1	- .94	- 29	0.8	- 28
5077	- 1	- .94	+ 20	1.0	+ 64
5302	+ 4	+ .74	+ 24	1.0	+ 81
5307	+ 4	+ .70	- 51	1.0	- 60
5308	0	+ .69	- 37	1.0	- 34
5311	- 7	+ .65	- 4	0.8	+ 28
5434	+ 3	- .92	- 54	1.0	0
5437	+ 4	- .93	- 58	1.0	- 8
5439	0	- .93	- 48	1.0	+ 11
5444	+ 4	- .95	- 77	0.8	- 43

(185) η Circ $14^h 56^m.4$ -63°38'

J.D.	h	P	m	p	v
	min				
4698	+ 7	- .78	-141	0.5	-".094
4711	- 2	- .88	-109	0.6	- 30
4725	- 2	- .95	- 60	0.8	+ 66
4953	- 1	+ .78	+ 8	0.6	+ 86
4960	+ 1	+ .70	- 45	0.7	- 9
4961	- 5	+ .70	- 53	0.8	- 28
5070	- 3	- .83	-100	0.8	- 98
5082	+ 5	- .92	0	0.6	+ 92
5084	+ 4	- .92	- 36	0.8	+ 26
5302	+ 5	+ .90	+ 30	1.0	+ 43
5307	- 1	+ .87	0	0.6	- 11
5323	+ 1	+ .73	0	0.7	- 9
5325	+ 5	+ .71	- 28	0.8	- 62
5440	+ 6	- .87	- 13	0.5	- 15
5445	+ 3	- .90	+ 16	0.8	+ 39
5451	0	- .93	- 18	0.6	- 24

(186) υ Libr $15^h 31^m.0$ −27°48'

J.D.	h	P	m	p	v
	min				
4595	− 9	+ .80	+ 83	0.6	+".073
4597	− 8	+ .78	+ 46	1.0	+ 8
4598	+ 7	+ .77	+ 37	1.0	− 13
4600	+ 2	+ .75	+ 26	1.0	− 28
4713	+ 2	− .83	0	0.8	+ 13
4731	+ 7	− .96	− 27	0.7	− 28
4739	+10	− .97	0	0.8	+ 19
4947	+ 5	+ .89	+ 21	0.8	− 9
4951	+ 6	+ .88	+ 49	0.8	+ 41
4960	+ 1	+ .80	+ 32	0.7	+ 15
5106	+ 9	− .98	− 32	0.8	− 2
5318	+ 3	+ .86	− 49	0.8	− 102
5327	+ 7	+ .79	− 17	1.0	− 38
5452	+ 8	− .90	− 48	0.7	+ 2
5458	+ 8	− .93	− 49	0.7	+ 2
5465	+ 4	− .96	− 55	1.0	− 9
5670	0	+ .94	+ 10	1.0	+ 41
5685	+ 3	+ .85	− 36	0.8	− 39
5694	+ 1	+ .76	+ 18	1.0	+ 66

(187) ζ^2 Scor $16^h 47^m.6$ −42°12'

J.D.	h	P	m	p	v
	min				
5329	0	+ .93	+ 38	0.6	−".081
5355	+ 2	+ .71	+ 81	0.8	+ 9
5686	+ 5	+ .97	+ 57	0.8	+ 53
5688	+ 5	+ .96	+ 42	0.8	+ 26
5833	+10	− .89	− 55	0.8	− 70
5834	+ 2	− .90	− 27	0.7	− 19
5839	− 4	− .93	0	1.0	+ 36
5846	+ 2	− .97	− 20	1.0	0
6050	− 2	+ .97	− 36	0.6	− 15
6052	+ 1	+ .97	0	1.0	+ 53
6064	+ 2	+ .91	− 37	0.8	− 13
6211	+ 8	− .97	−106	0.6	− 55
6217	+ 1	− .99	− 77	1.0	− 2
6218	+ 4	− .99	− 57	0.7	+ 39
6219	+ 9	− .99	− 53	0.8	+ 47
6416	− 2	+ .97	−102	1.0	− 36
6429	+ 5	+ .90	− 85	1.0	+ 4
6437	+ 2	+ .85	−102	0.8	− 26

(188) ξ Ophi $17^h 15^m.0$ −21°0'

J.D.	h	P	m	p	v
	min				
4727	− 6	− .74	−127	0.8	+".030
4737	+ 1	− .84	−186	0.7	− 83
4756	0	− .96	−111	0.6	+ 55
4760	+ 2	− .98	−172	0.6	− 60
4981	+ 2	+ .86	0	0.6	− 9
4983	+ 1	+ .85	+ 19	0.7	+ 28
4984	− 4	+ .84	0	1.0	− 8
4990	− 5	+ .78	+ 14	0.8	+ 17
5104	+ 2	− .85	0	0.8	+ 15
5123	+ 4	− .97	0	0.6	+ 9
5124	− 3	− .97	+ 24	0.7	+ 53
5336	+ 6	+ .94	+154	0.6	+ 30
5348	+ 3	+ .85	+143	1.0	+ 8
5350	+ 5	+ .83	+115	1.0	− 47
5355	+ 2	+ .78	+147	0.7	+ 13
5480	+ 5	− .93	+ 92	0.7	− 70
5481	+ 4	− .94	+135	0.8	+ 13
5486	0	− .96	+124	0.6	− 11
5489	+ 1	− .97	+149	0.8	+ 38

(189) 43 Ophi $17^h 17^m.1$ −28°2'

J.D.	h	P	m	p	v
	min				
5473	− 4	− .88	+ 11	0.6	−".006
5491	+ 6	− .99	+ 24	0.7	+ 13
5494	+11	− .99	+ 5	0.7	− 21
5706	− 4	+ .91	0	1.0	+ 45
5708	+ 5	+ .89	− 36	0.8	− 21
5713	− 4	+ .85	+ 7	0.8	+ 58
5714	− 6	+ .85	− 54	1.0	− 58
5852	− 4	− .96	+ 13	1.0	+ 19
5853	− 2	− .97	− 10	0.7	− 26
5854	− 6	− .97	0	0.8	− 6
6060	0	+ .96	− 71	0.6	− 62
6063	+ 4	+ .96	− 35	1.0	+ 4
6067	− 2	+ .94	− 28	0.8	+ 19
6217	− 1	− .96	− 9	0.8	0
6218	+ 4	− .96	0	0.6	+ 19

(190) 4 Sgtr $17^h 53^m.7$ −23°48'

J.D.	h	P	m	p	v
	min				
4629	− 1	+ .84	0	0.8	−".019
4633	+ 5	+ .79	0	0.8	− 19
4634	− 6	+ .79	+ 28	0.7	+ 36
4636	− 7	+ .75	+ 27	1.0	+ 34
4756	+ 3	− .92	+ 7	0.8	+ 9
4759	+ 5	− .93	+ 15	0.7	+ 23
4760	+ 2	− .95	0	0.8	− 6
4765	+ 1	− .97	− 5	0.7	− 13
4972	− 1	+ .98	− 27	0.7	− 66
4982	0	+ .93	+ 9	0.6	+ 2
4984	0	+ .91	− 5	1.0	− 23
5125	+ 6	− .95	0	0.6	− 4
5126	− 2	− .95	− 21	0.8	− 41
5134	0	− .98	+ 17	0.8	+ 32
5348	+ 8	+ .93	+ 27	1.0	+ 39
5350	+ 8	+ .91	+ 53	1.0	+ 88
5363	+ 2	+ .80	− 16	0.8	− 39
5364	− 1	+ .79	− 32	0.8	− 71

(191) π Pavo $17^h 59^m.0$ −63°40'

J.D.	h	P	m	p	v
	min				
5502	0	− .99	− 68	0.6	−".032
5503	+ 3	− .99	− 37	0.6	+ 8
5706	+ 2	+ .97	0	1.0	+ 2
5719	+ 5	+ .89	0	0.8	+ 4
5721	− 3	+ .88	− 7	0.8	− 9
5724	0	+ .85	+ 18	0.6	+ 41
5852	+ 4	− .91	− 28	1.0	− 13
5854	− 6	− .92	− 8	1.0	+ 24
5859	− 3	− .95	− 29	0.7	− 13
5868	0	− .99	0	0.6	+ 41
6076	− 1	+ .94	+ 8	0.8	− 15
6083	−10	+ .90	+ 12	0.8	− 8
6085	− 3	+ .89	+ 15	0.7	− 2
6218	− 1	− .91	− 12	0.8	− 19
6222	+ 1	− .94	+ 13	1.0	+ 32
6225	+ 4	− .96	0	0.8	+ 6
6226	0	− .96	− 20	0.8	− 32

(192) γ Scut $18^h 23^m.5$ −14°38'

J.D.	h	P	m	p	v
	min				
4751	− 2	− .82	0	0.8	+".017
4756	+ 4	− .86	− 30	1.1	− 36
4772	0	− .96	− 13	0.7	− 2
4997	+ 7	+ .87	0	0.8	+ 6
4998	+ 10	+ .86	0	1.0	+ 6
5004	+ 3	+ .80	+ 5	1.0	+ 17
5115	0	− .81	− 6	0.7	+ 36
5140	+ 3	− .98	− 21	0.6	+ 11
5348	+ 3	+ .97	0	0.8	+ 30
5360	+ 1	+ .89	− 14	1.0	+ 8
5363	+ 4	+ .87	− 34	1.0	− 30
5364	+ 2	+ .86	− 36	0.8	− 34
5500	+ 3	− .95	− 44	1.1	− 4
5502	− 1	− .96	− 68	0.8	− 47
5509	+ 1	− .99	− 10	0.6	+ 62

(193) ζ Pavo $18^h 31^m.4$ −71°31'

J.D.	h	P	m	p	v
	min				
4629	− 1	+ .91	+ 16	0.8	+".008
4633	+ 1	+ .88	+ 22	1.0	+ 19
4636	− 6	+ .85	− 24	0.8	− 66
4643	− 8	+ .79	+ 36	0.8	+ 49
4758	+ 3	− .86	− 31	0.8	− 21
4760	− 1	− .88	− 14	0.8	+ 11
4765	0	− .92	− 40	0.7	− 34
4772	− 2	− .95	− 5	1.0	+ 28
4979	+ 1	+ .98	− 13	0.7	− 30
4984	0	+ .97	+ 5	0.7	+ 6
4991	− 1	+ .93	0	0.8	− 6
5125	+ 1	− .88	− 43	0.7	− 24
5136	− 3	− .95	− 51	1.0	− 36
5138	0	− .96	0	0.8	+ 62
5362	+ 3	+ .90	0	1.0	+ 17
5364	− 1	+ .88	+ 7	0.6	+ 32
5371	− 3	+ .81	− 23	1.0	− 23

(194) ρ Tele $18^h 58^m.4$ −52°29'

J.D.	h	P	m	p	v
	min				
5011	+ 1	+ .82	+ 17	0.6	+".043
5503	0	− .92	− 6	0.7	− 17
5509	− 1	− .95	0	0.8	− 8
5512	− 2	− .96	− 60	0.6	− 118
5514	+ 5	− .97	− 46	0.6	− 92
5720	+ 3	+ .97	+ 6	0.8	− 47
5726	0	+ .94	+ 50	0.8	+ 38
5730	0	+ .91	+ 31	0.8	0
5868	+ 6	− .92	+ 45	1.0	+ 45
5874	0	− .95	+ 41	1.0	+ 38
5875	0	− .96	+ 51	1.0	+ 55
5882	+ 6	− .98	+ 60	1.0	+ 73
6088	+ 9	+ .95	+ 70	0.7	+ 41
6096	+ 2	+ .90	+ 38	0.8	− 21
6104	− 2	+ .85	+ 26	0.8	− 41
6240	+ 2	− .95	+ 45	1.0	+ 11
6241	+ 3	− .96	+ 22	0.8	− 34
6244	0	− .97	− 5	0.7	− 83

(195) β CorA $19^h 3^m.2$ −39°30'

J.D.	h	P	m	p	v
	min				
5008	− 2	+ .86	− 34	0.6	−".056
5495	+ 1	− .85	− 7	1.0	+ 8
5508	+ 1	− .94	0	0.8	+ 23
5512	+ 4	− .96	0	0.7	+ 21
5515	+ 2	− .97	+ 9	0.7	+ 39
5720	+ 4	+ .97	+ 15	0.8	+ 28
5728	+ 7	+ .93	0	1.0	+ 2
5739	+ 3	+ .85	+ 9	1.0	+ 17
5740	− 6	+ .85	+ 17	0.8	+ 34
5873	+ 4	− .93	− 32	0.8	− 43
5875	+ 1	− .95	− 14	1.0	− 8
5878	+ 7	− .96	− 15	0.8	− 11
5884	+ 5	− .98	− 43	0.7	− 62
6083	+ 3	+ .98	0	0.7	− 2
6087	+ 10	+ .96	0	1.0	0
6096	+ 3	+ .91	− 22	1.0	− 45
6104	+ 10	+ .86	+ 7	0.8	+ 11
6232	+ 9	− .90	0	1.0	+ 13
6240	+ 7	− .95	0	1.0	+ 15
6241	+ 5	− .95	− 8	0.8	− 2

(196) 19 Aqil $19^h 4^m.1$ +5°55'

J.D.	h	P	m	p	v
	min				
5008	+ 5	+ .86	+ 83	0.8	+".058
5010	− 6	+ .84	+ 58	0.6	+ 11
5011	+ 4	+ .83	+ 48	0.8	− 6
5126	+ 6	− .81	− 8	1.0	− 60
5147	+ 8	− .96	+ 34	1.0	+ 26
5152	+ 6	− .98	0	0.8	− 38
5375	+ 3	+ .84	+ 44	0.6	− 2
5376	+ 2	+ .83	+ 52	0.6	+ 15
5509	+ 3	− .94	+ 23	0.6	+ 15
5514	+ 8	− .97	+ 26	0.6	+ 23
5729	+ 7	+ .93	+ 43	1.0	+ 6
5738	+ 10	+ .86	+ 14	0.5	− 47
5739	+ 10	+ .85	+ 49	1.0	+ 21
5740	0	+ .85	0	0.8	− 71
5859	+ 10	− .83	+ 30	0.8	+ 39
5874	+ 6	− .94	+ 17	1.0	+ 17
5883	+ 9	− .98	0	0.8	− 13

(197) η Tele $19^h 14^m.8$ −54°37'

J.D.	h	P	m	p	v
	min				
5010	− 4	+ .86	0	0.7	+".017
5494	+ 4	− .81	− 14	0.8	+ 9
5507	+ 1	− .91	0	0.8	+ 34
5509	+ 4	− .93	− 48	0.7	− 58
5514	+ 4	− .96	− 33	0.6	− 26
5726	− 1	+ .95	− 13	0.7	− 19
5728	+ 1	+ .94	− 15	1.0	− 23
5730	+ 8	+ .93	0	1.0	+ 9
5873	+ 7	− .92	0	1.0	+ 28
5874	0	− .93	0	1.0	+ 28
5882	+ 7	− .96	0	1.0	+ 32
5884	+ 3	− .97	− 61	0.6	− 85
6084	+ 1	+ .98	+ 53	0.6	+ 103
6088	− 2	+ .97	− 17	1.0	− 30
6094	− 3	+ .94	− 18	0.7	− 34
6229	− 1	− .85	− 37	1.0	− 43
6235	+ 1	− .90	+ 8	0.8	+ 39
6239	− 4	− .92	− 44	1.0	− 58
6242	− 3	− .94	+ 21	0.8	+ 66
6454	+ 7	+ .97	+ 6	0.8	+ 8

(198) 36 Aqil $19^h 25^m.4$ -3°0'

J.D.	h	P	m	p	v
	min				
4634	+ 9	+ .94	+ 67	0.7	+".088
4655	+ 1	+ .79	0	1.0	- 36
4657	- 3	+ .76	+ 24	0.6	+ 11
4776	+ 1	- .89	- 44	0.8	- 68
4791	+ 8	- .97	+ 8	0.7	+ 34
4993	+ 7	+ .98	0	0.5	- 43
4998	+ 3	+ .95	+ 37	0.8	+ 28
5140	+ 4	- .88	- 7	0.6	- 2
5147	+ 3	- .93	- 9	0.7	- 4
5149	+ 4	- .94	+ 14	1.0	+ 39
5360	+ 4	+ .97	+ 55	0.5	+ 56
5367	+ 6	+ .93	+ 40	0.8	+ 30
5371	+ 6	+ .91	- 51	1.0	- 141
5502	+ 2	- .87	+ 17	1.0	+ 39
5507	+ 4	- .90	+ 4	0.7	+ 17
5515	+ 1	- .94	- 46	0.7	- 77
5725	- 2	+ .97	+ 48	0.8	+ 39
5730	+ 5	+ .94	+ 36	0.8	+ 19

(199) 54 Sgtr $19^h 35^m.0$ -16°31'

J.D.	h	P	m	p	v
	min				
4626	- 2	+ .98	- 38	0.5	-".043
4627	0	+ .98	- 14	0.7	+ 2
4634	+ 7	+ .96	- 13	0.7	+ 6
4653	0	+ .83	0	1.0	+ 34
4769	- 3	- .81	- 53	0.7	- 36
4776	- 2	- .87	- 16	0.6	+ 38
4785	0	- .93	- 35	1.0	+ 4
4789	0	- .95	- 34	1.0	+ 6
5008	- 4	+ .91	0	0.8	- 30
5010	+ 1	+ .89	0	0.6	- 28
5133	+ 3	- .80	- 6	0.6	- 4
5147	0	- .91	+ 3	0.6	+ 13
5151	- 1	- .94	- 28	0.8	- 41
5153	+ 1	- .94	+ 5	0.8	+ 21
5360	+ 8	+ .98	+ 31	0.6	- 28
5363	+ 1	+ .96	+ 46	0.8	- 4
5367	+ 4	+ .94	+ 67	0.8	+ 38
5381	- 5	+ .85	+ 55	0.8	+ 19

(200) BS 7552 $19^h 45^m.0$ -40°8'

J.D.	h	P	m	p	v
	min				
5502	- 3	- .82	- 54	0.8	-".009
5518	-10	- .93	- 55	0.8	- 8
5726	- 3	+ .97	0	0.6	+ 26
5729	- 6	+ .97	- 11	0.8	+ 6
5730	- 3	+ .96	0	0.6	+ 26
5734	- 9	+ .94	- 4	0.7	+ 21
5878	0	- .90	- 19	0.8	0
5882	+ 3	- .92	- 38	0.6	- 36
6094	- 4	+ .97	0	0.7	- 26
6095	-10	+ .96	+ 35	1.0	+ 38
6096	- 2	+ .96	+ 18	0.8	+ 6
6103	+ 1	+ .93	- 41	0.7	- 103
6235	- 6	- .83	+ 14	1.0	+ 8
6236	- 7	- .83	0	0.8	- 19
6244	+ 2	- .90	+ 46	0.7	+ 70
6251	- 1	- .94	+ 5	0.7	- 8

(201) σ Capr $20^h 13^m.6$ -19°26'

J.D.	h	P	m	p	v
	min				
4658	0	+ .86	- 31	0.8	-".053
4669	+ 1	+ .75	- 12	1.0	- 15
4670	+ 4	+ .75	+ 13	1.0	+ 32
4789	+ 7	- .89	- 23	0.8	- 2
4799	0	- .94	+ 8	0.7	+ 58
4803	+10	- .95	- 14	0.7	+ 15
5010	+ 6	+ .94	- 19	0.6	- 30
5014	+ 6	+ .92	- 15	0.6	- 23
5019	+ 1	+ .88	0	0.8	+ 8
5155	+ 2	- .89	- 28	1.0	- 9
5162	+ 8	- .93	- 25	0.6	- 2
5163	+ 6	- .93	- 21	0.6	+ 6
5371	+ 3	+ .96	+ 7	0.8	+ 21
5384	+ 2	+ .89	0	0.8	+ 9
5511	+ 4	- .82	- 32	0.8	- 15
5523	0	- .91	- 16	0.7	+ 17
5524	- 1	- .92	- 57	0.7	- 60
5745	+ 2	+ .92	0	1.0	+ 11
5752	- 9	+ .87	0	0.8	+ 13

(202) ρ Capr $20^h 23^m.2$ -18°9'

J.D.	h	P	m	p	v
	min				
4642	+ 3	+ .96	+ 64	1.0	-".013
4643	+ 2	+ .96	+ 84	0.7	+ 26
4653	- 1	+ .91	+ 67	0.8	- 4
4785	- 2	- .84	+ 10	1.0	- 6
4791	0	- .88	0	0.8	- 21
4801	+ 5	- .93	+ 34	0.6	+ 45
5007	0	+ .96	+ 69	0.7	+ 15
5010	+ 1	+ .94	+ 46	0.8	- 24
5019	+ 4	+ .90	+ 53	0.8	- 11
5021	+ 2	+ .89	+ 50	0.8	- 17
5155	- 2	- .87	0	1.0	- 2
5160	- 2	- .90	0	0.6	- 2
5381	- 2	+ .92	+ 84	0.7	+ 64
5523	+ 4	- .89	0	0.8	+ 19
5524	0	- .90	- 12	0.7	- 6
5528	- 7	- .92	- 18	0.7	- 15
5734	- 3	+ .97	+ 50	0.8	+ 19
5752	0	+ .88	+ 19	1.0	- 34

(203) β Indi $20^h 47^m.0$ -58°50'

J.D.	h	P	m	p	v
	min				
4653	+ 2	+ .94	+ 27	0.5	+".075
4661	- 2	+ .89	+ 6	0.6	+ 38
4669	+ 8	+ .82	- 25	1.0	- 23
4675	+ 3	+ .78	- 38	0.8	- 45
4799	- 1	- .89	0	0.5	+ 6
4801	+ 4	- .89	- 24	0.8	- 36
4808	0	- .93	0	0.5	+ 8
5011	+ 5	+ .96	+ 5	0.7	+ 41
5020	+ 2	+ .92	- 13	1.0	+ 4
5021	+ 8	+ .92	- 18	0.7	- 4
5160	- 2	- .85	- 11	0.7	- 9
5163	+ 5	- .88	+ 12	0.8	+ 36
5174	+ 5	- .93	- 10	0.6	- 9
5377	+ 7	+ .96	- 33	0.7	- 26
5385	+ 2	+ .93	- 39	0.7	- 38
5533	+ 1	- .90	0	0.7	+ 19
5755	+ 3	+ .90	- 36	0.8	- 30
5759	- 8	+ .87	- 5	1.0	+ 28

(204) ε Pegs $21^h 39^m.3$ +9°25'

J.D.	h	P	m	p	v
	min				
5410	− 7	+ .84	0	1.0	+".004
5411	− 7	+ .83	− 5	1.0	− 8
5523	+ 3	− .70	− 22	0.8	− 38
5548	+ 6	− .89	+ 29	0.8	+ 60
5550	+ 3	− .90	+ 4	0.8	+ 11
5551	− 1	− .90	− 55	0.7	− 98
5552	+ 6	− .91	+ 28	0.8	+ 56
5756	+ 8	+ .95	+ 23	0.7	+ 17
5773	− 8	+ .86	+ 14	0.8	− 4
5893	0	− .75	+ 27	0.6	+ 24
5903	+ 2	− .84	+ 22	0.7	+ 15
5910	0	− .88	0	0.7	− 24
5915	− 2	− .90	+ 9	0.7	− 9
6118	− 1	+ .95	0	0.6	− 60
6124	+ 3	+ .93	+ 75	0.6	+ 81
6130	+ 2	+ .91	+ 18	0.6	− 28

(205) δ Capr $21^h 41^m.5$ −16°35'

J.D.	h	P	m	p	v
	min				
4675	+ 2	+ .87	+ 45	0.8	−".008
4676	+ 4	+ .87	+ 38	0.8	− 21
4683	+ 8	+ .81	+ 39	1.0	− 19
4687	− 4	+ .78	+ 56	1.0	+ 13
4795	+ 4	− .72	+ 56	0.6	+ 86
4821	+ 5	− .90	+ 8	0.6	− 4
5021	+ 4	+ .95	+ 50	0.6	− 9
5176	+ 5	− .85	+ 25	0.8	+ 23
5179	+ 2	− .87	− 9	0.8	− 41
5185	+ 5	− .90	+ 41	0.8	+ 53
5187	+ 1	− .91	− 6	1.0	− 36
5404	− 2	+ .89	+ 61	1.0	+ 8
5549	+ 7	− .89	+ 13	0.7	− 6
5551	− 7	− .90	− 8	0.8	− 45
5552	0	− .91	+ 17	0.8	+ 2
5754	+ 2	+ .95	+ 47	0.8	− 28
5759	+ 7	+ .94	+ 66	1.0	+ 8
5772	+ 3	+ .87	+ 82	1.0	+ 38

(206) ρ Grus $22^h 37^m.7$ −41°56'

J.D.	h	P	m	p	v
	min				
5058	− 2	+ .85	0	1.0	+".017
5199	− 3	− .88	− 29	0.8	− 6
5420	+ 8	+ .87	+ 14	0.8	+ 32
5425	+ 4	+ .84	− 33	0.8	− 62
5547	− 1	− .76	− 19	0.8	+ 2
5548	+ 2	− .77	− 24	0.8	− 9
5553	− 3	− .81	− 11	0.7	+ 15
5563	+ 4	− .87	− 28	1.0	− 15
5772	+ 3	+ .93	0	1.0	− 11
5773	− 2	+ .93	+ 3	1.0	− 4
5779	− 4	+ .90	+ 20	1.0	+ 28
5906	+10	− .70	− 7	1.0	+ 8
5914	+ 4	− .78	0	0.7	+ 23
5924	0	− .85	0	1.0	+ 24
5927	+ 6	− .87	− 31	1.0	− 36
6129	0	+ .94	+ 11	1.0	0
6137	+ 2	+ .93	− 9	0.7	− 41
6140	+ 3	+ .92	+ 24	1.0	+ 23

(207) γ Scul $23^h 13^m.4$ −33°5'

J.D.	h	P	m	p	v
	min				
4678	0	+ .94	+ 32	0.8	+".006
4690	+ 2	+ .91	− 3	1.0	− 60
4691	+ 7	+ .91	+ 37	1.0	+ 15
4705	+ 6	+ .82	+ 52	0.7	+ 43
4826	− 1	− .75	− 5	1.0	+ 4
4830	− 1	− .79	− 6	0.8	+ 2
4841	+ 8	− .86	− 23	1.0	− 30
5045	0	+ .94	+ 9	0.8	− 24
5049	+ 1	+ .92	+ 28	0.8	+ 11
5058	0	+ .90	+ 45	0.7	+ 43
5059	+ 2	+ .90	+ 33	1.0	+ 21
5186	0	− .71	− 3	0.6	+ 21
5196	+ 7	− .80	− 19	0.8	− 9
5927	+10	− .80	− 30	0.7	0
6142	+ 4	+ .93	+ 2	1.0	+ 6
6145	+ 3	+ .92	+ 9	0.8	+ 19
6155	− 5	+ .89	− 25	1.0	− 45
6299	+ 5	− .84	− 30	0.8	+ 17

(208) 97 Aqar $23^h 17^m.4$ −15°35'

J.D.	h	P	m	p	v
	min				
4710	+ 3	+ .79	− 13	0.8	+".071
4711	− 2	+ .78	− 64	1.0	− 26
4713	+ 3	+ .77	− 50	1.0	+ 2
4714	0	+ .76	− 58	0.8	− 15
4823	+ 1	− .73	− 81	0.8	− 64
4840	− 3	− .85	− 31	1.0	+ 28
5050	+ 5	+ .92	0	0.7	− 2
5059	+ 2	+ .90	0	0.8	− 4
5198	+ 1	− .80	− 29	1.0	− 73
5206	+ 1	− .85	+ 38	1.0	+ 55
5207	+ 7	− .86	+ 15	1.0	+ 11
5553	+ 1	− .71	+ 45	0.8	− 36
5567	+ 6	− .83	+ 98	0.6	+ 68
5568	+ 3	− .83	+ 68	0.7	+ 8
5774	+ 2	+ .94	+110	0.7	+ 2
5784	− 1	+ .92	+106	1.0	− 8

(209) δ Scul $23^h 43^m.7$ −28°41'

J.D.	h	P	m	p	v
	min				
4683	− 4	+ .93	− 46	0.8	+".015
4687	+ 3	+ .93	− 73	1.0	− 36
4690	+10	+ .93	− 66	1.0	− 23
4704	− 7	+ .88	− 48	0.8	+ 11
4841	+ 2	− .81	− 68	1.0	− 6
4847	+ 2	− .85	− 32	0.7	+ 62
4848	+ 4	− .86	− 56	0.7	+ 17
5050	+ 3	+ .93	+ 23	0.6	+ 51
5058	− 2	+ .92	0	1.0	+ 8
5068	+ 2	+ .89	0	0.8	+ 8
5071	+ 7	+ .88	− 17	0.8	− 24
5196	+ 4	− .73	− 29	1.0	− 28
5204	0	− .78	− 16	1.0	− 4
5213	+ 5	− .85	− 9	1.0	+ 9
5936	+10	− .80	+ 69	0.8	− 32
5940	+13	− .83	+ 85	0.7	− 2
5941	+ 7	− .84	+ 86	1.0	0
6158	+ 7	+ .91	+127	1.0	− 39
6159	+ 7	+ .91	+187	0.8	+ 73

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m									
210	λ Horo	2 22.1	-60° 46'	199	5.47	F2	".161	+ ".018	± ".010	± ".033	- ".101
211	η Erid	2 51.5	9 18	553	4.05	Ko	.233	- .005	12	36	+ 63
212	τ^3 Erid	2 58.0	-24 1	1387	4.16	A3	.146	+ .042	7	25	- 201
213	γ Erid	3 53.4	-13 48	781	3.19	K5	.133	- .013	10	34	+ 35
214	43 Erid	4 20.3	-34 15	1664	4.06	K5	.081	- .013	8	29	+ 69
215	η Reti	4 20.8	-63 37	324	5.18	Ko	.196	+ .010	7	23	+ 77
216	η^8 Pict	5 2.4	-49 43	1662	4.92	K5	.038	+ .002	6	18	+ 56
217	16 Orio	5 3.8	+ 9 42	743	5.42	A2	.074	+ .007	7	21	+ 45
218	ρ Orio	5 8.1	+ 2 45	888	4.64	Ko	.016	- .016	6	21	- 5
219	θ Dora	5 13.8	-67 18	401	4.78	Ko	.048	- .011	8	27	+ 5
220	λ Dora	5 24.9	-59 0	472	5.06	G5	.027	+ .008	7	22	- 39
221	ξ Colm	5 52.1	-37 8	2487	5.02	Ko	.033	- .015	9	26	+ 54
222	BS 2102	5 53.3	-63 7	498	4.53	Ko	.563	+ .063	7	21	+ 146
223	BS 2334	6 22.1	+ 0 22	1426	5.29	Ko	.012	- .016	6	20	+ 14
224	BS 2652	6 58.4	-51 16	2224	5.02	Ma	.016	- .019	7	23	- 23
225	BS 3018	7 41.9	-33 59	4113	5.39	F8	1.710	+ .056	6	19	- 245
226	BS 3170	8 0.4	-32 24	4796	5.40	Ma	.015	+ .019	4	15	- 5
227	ζ Hyda	8 50.1	+ 6 20	2060	3.30	Ko	.101	+ .061	10	32	- 100
228	BS 3551	8 50.5	-47 8	4480	5.32	A5	.042	+ .014	6	20	- 4
229	BS 3591	8 56.4	-40 52	4810	4.42	F8	.065	+ .026	7	25	- 8
230	N Velr	9 28.2	-56 36	2270	Var	K5	.038	+ .017	8	31	- 2
231	υ Leon	11 31.8	- 0 16	2458	4.47	Ko	.037	+ .020	10	31	+ 73
232	BS 4699	12 15.8	-13 1	+ 3614	5.36	Ko	.004	+ .013	10	31	+ 78
233	2 Cent	13 43.7	-33 57	9358	4.40	Mb	.069	+ .052	12	37	- 84
234	BS 5297	14 3.3	-52 58	7028	4.78	Ko	.188	+ .013	8	27	- 119
235	2 Lupi	15 11.7	-29 47	11630	4.43	Ko	.024	+ .014	6	22	- 19
236	λ Serp	15 41.6	+ 7 40	3023	4.42	Go	.239	+ .103	5	16	- 217
237	23 Ophi	16 49.2	- 6 0	+ 4374	5.35	Ko	.042	+ .006	5	17	- 24
238	30 Ophi	16 55.8	- 4 4	4215	5.00	Ko	.101	+ .028	4	14	- 51
239	41 Ophi	17 11.5	- 0 20	3255	4.82	Ko	.064	- .002	5	19	- 27
240	BS 6507	17 23.7	+ 0 25	3697	5.16	A5	.064	+ .009	8	27	- 80
241	51 Ophi	17 25.3	-23 53	13412	4.89	Ao	.038	+ .036	8	28	0
242	μ Sgtr	18 7.8	-21 5	4908	4.01	B8p	.008	+ .008	9	34	+ 3
243	κ Tele	18 44.7	-52 13	11268	5.27	Ko	.109	+ .009	6	20	+ 29
244	BS 7122	18 49.2	-42 50	13761	5.42	Ko	.047	+ .005	5	19	- 46
245	ξ^1 Sgtr	18 51.4	-20 47	5339	5.06	Ao	.019	- .010	7	26	0
246	η Scut	18 51.7	- 5 58	- 4976	5.04	Ko	.073	+ .040	7	24	+ 61
247	BS 7289	19 9.1	-45 38	13072	5.32	Ko	.016	+ .005	6	20	- 27
248	ν Micr	20 27.0	-44 51	14020	5.30	Ko	.045	+ .002	7	24	- 6
249	70 Aqil	20 31.5	- 2 54	- 4961	5.22	K5	.013	+ .013	7	24	+ 25
250	η Indi	20 36.7	-52 17	11752	4.70	Fo	.149	+ .032	5	17	+ 197
251	24 Capr	21 1.3	-25 24	15235	4.60	Ma	.060	+ .017	8	27	- 26
252	46 Capr	21 39.7	- 9 32	5829	5.28	Ko	.014	- .002	7	24	- 50
253	θ PscA	21 41.9	-31 22	18466	5.09	A2	.035	+ .002	6	21	- 55
254	μ^1 Grus	22 9.6	-41 51	14810	4.86	Go	.058	+ .004	8	25	+ 27
255	86 Aqar	23 1.3	-24 17	17497	4.77	G5	.071	+ .036	5	18	+ 74
256	27 Pisc	23 53.6	- 4 7	5996	5.07	Ko	.088	+ .013	6	21	- 66
257	ω Pisc	23 54.2	+ 6 19	5227	4.03	F5	.190	+ .020	7	21	+ 106

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
210	- 78	- 24	.198	+ 7	- 5	.488	+ 39	+ 23	.314				10.9	5241	+ .1322
211	- 89	- 3	.360	+ 37	+ 61	.286	+ 60	- 46	.354				11.8	5134	- 642
212	- 73	+ 48	.228	- 8	- 36	.190	+ 31	- 7	.582				11.0	5126	*
213	- 58	+ 34	.306	- 43	- 24	.305	+ 79	- 7	.389				9.6	4890	+ 1280
214	- 35	+ 69	.319	- 1	- 62	.377	+ 8	- 37	.164	+ 71	+ 52	.140	10.9	5497	- 1050
215	- 82	+ 25	.223	- 6	- 44	.310	+ 43	+ 18	.467				10.4	5645	- 720
216	- 56	- 14	.207	- 18	- 18	.182	- 8	+ 66	.321	+ 60	- 53	.290	9.9	5898	- 10
217	- 50	- 21	.283	- 36	+ 50	.197	+ 31	+ 26	.240	+ 49	- 36	.280	11.4	5183	- 75
218	- 34	+ 6	.422	- 14	- 38	.242	+ 51	- 25	.127	+ 53	+ 47	.209	11.3	5651	- 43
219	- 88	0	.200	- 20	+ 61	.339	+ 14	- 55	.174	+ 76	- 39	.287	10.9	4919	- 966
220	- 45	+ 30	.225	- 9	- 41	.423	+ 40	+ 30	.352				11.5	5905	+ 780
221	- 80	+ 42	.145	- 33	- 20	.383	+ 38	- 23	.343	+ 83	+ 74	.129	11.7	5548	- 852
222	- 65	+ 45	.173	- 29	- 47	.323	- 6	+ 57	.168	+ 64	- 6	.336	10.9	5921	+ 833
223	- 26	+ 51	.273	- 9	- 43	.289	+ 22	- 4	.438				11.1	5674	+ 1127
224	- 65	- 53	.223	+ 10	- 38	.206	+ 21	+ 64	.365	+ 23	- 16	.206	10.9	5682	+ 460
225	- 56	+ 40	.233	- 10	- 29	.283	+ 7	- 31	.263	+ 64	+ 31	.221	10.1	5942	- 189
226	- 45	+ 56	.155	- 36	- 14	.259	+ 16	- 38	.363	+ 47	+ 39	.223	10.0	5705	+ 912
227	- 77	- 14	.264	- 34	+ 39	.303	+ 51	+ 40	.181	+ 84	- 58	.252	10.6	5229	- 436
228	- 38	- 10	.329	- 30	+ 58	.193	+ 20	- 33	.301	+ 71	+ 12	.177	10.0	4860	+ 260
229	- 56	- 36	.325	- 31	+ 68	.208	+ 47	+ 55	.182	+ 57	- 43	.285	10.6	5227	+ 385
230	- 68	- 26	.269	- 44	+ 28	.231	+ 40	+ 54	.231	+ 71	- 43	.269	10.5	5378	- 258
231	- 39	+ 26	.336	+ 16	- 49	.431	+ 27	+ 53	.233				10.3	5039	- 67
232	- 65	+ 22	.319	- 46	- 56	.157	+ 50	- 18	.173	+ 54	+ 14	.351	10.2	5644	- 1496
233	- 75	- 57	.151	- 67	+ 32	.370	+ 48	- 45	.139	+ 87	+ 8	.340	11.3	4920	+ 443
234	- 50	+ 54	.292	- 19	- 54	.321	+ 48	- 9	.201	+ 59	+ 20	.186	11.0	5798	+ 296
235	- 85	+ 24	.216	- 36	- 42	.341	+ 61	- 4	.284	+ 83	+ 62	.159	11.1	5087	- 141
236	- 43	+ 28	.232	- 30	- 8	.291	+ 35	- 23	.265	+ 45	+ 9	.212	11.0	5097	+ 2890
237	- 29	+ 19	.236	- 13	+ 55	.253	+ 9	- 53	.246	+ 30	- 20	.265	11.5	5341	+ 696
238	- 79	+ 14	.201	- 15	- 14	.224	+ 31	+ 33	.275	+ 37	- 29	.300	11.2	5112	+ 973
239	- 42	+ 41	.253	+ 11	- 13	.691	+ 57	- 24	.056				11.1	5841	- 851
240	- 50	+ 7	.249	- 5	- 12	.270	+ 2	- 13	.270	+ 69	+ 24	.211	11.6	5852	+ 791
241	- 55	- 14	.400	- 8	+ 58	.287	+ 78	- 36	.313				10.9	4974	+ 1333
242	- 45	+ 33	.293	- 28	- 53	.244	+ 20	- 49	.211	+ 62	+ 54	.252	11.0	4985	- 288
243	- 49	+ 41	.300	- 22	- 22	.374	+ 67	+ 19	.140	+ 75	- 35	.186	10.5	5722	+ 4361
244	- 67	- 29	.209	- 24	+ 59	.184	+ 19	- 9	.321	+ 43	- 6	.286	10.7	5870	+ 291
245	- 48	+ 50	.259	- 41	- 60	.333	+ 63	0	.228	+ 65	+ 39	.180	11.0	5868	- 1276
246	- 65	- 22	.354	+ 9	+ 61	.298	+ 59	- 30	.348				10.5	4997	- 51
247	- 53	- 3	.270	- 26	+ 36	.196	+ 28	- 58	.307	+ 48	+ 51	.227	10.9	5868	+ 1282
248	- 77	+ 35	.265	- 27	- 9	.215	+ 42	- 39	.233	+ 57	+ 6	.287	10.9	5746	- 929
249	- 96	- 27	.219	- 42	+ 32	.165	+ 29	+ 59	.265	+ 58	- 43	.351	11.0	5524	- 914
250	- 47	+ 55	.210	- 6	- 30	.431	+ 16	- 11	.246	+ 73	+ 38	.113	11.7	5902	- 318
251	- 70	+ 48	.246	- 23	- 52	.318	+ 28	- 19	.246	+ 92	+ 48	.190	10.8	5177	- 332
252	- 62	+ 21	.341	+ 10	- 37	.326	+ 33	- 13	.161	+ 74	+ 41	.172	11.3	5180	+ 285
253	- 34	+ 20	.276	- 16	- 11	.265	+ 28	+ 43	.232	+ 31	- 54	.227	11.5	5541	+ 249
254	- 51	- 28	.320	- 3	- 24	.197	+ 15	+ 49	.301	+ 67	- 6	.182	11.4	5548	- 635
255	- 41	- 32	.356	+ 23	- 33	.328	+ 23	+ 71	.316				12.3	5194	- 882
256	- 37	- 10	.409	+ 23	- 55	.282	+ 29	+ 63	.309				10.9	5060	- 486
257	- 78	- 62	.324	+ 14	- 16	.247	+ 19	+ 56	.201	+ 79	+ 55	.228	11.2	5066	- 1698

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
210	15.3	+ 3.30	511.6	+0.26	+13.23	10.23	9.89	− .1275	− .7660	− .0115	− .00803	− .00147	+ .00099
211	14.9	−10.15	198.4	+1.75	− 4.61	9.80	9.54	+ 166	+ 1661	− 40	+ 178	+ 92	− 28
212	17.7	−16.83	232.5	+0.84	+ 5.76	12.27	12.03	− 423	+ 717	+ 260	− 242	− 292	+ 224
213	16.9	+ 4.31	123.6	−0.27	+ 3.69	11.60	11.49	− 160	+ 566	− 56	− 109	+ 52	− 67
214	19.1	−12.04	528.4	+4.91	− 9.01	14.90	13.57	+ 1124	+ 4586	+ 138	+ 669	+ 101	− 67
215	15.5	−22.92	455.2	+2.52	− 5.23	11.44	11.02	− 127	+ 4922	+ 22	+ 76	+ 112	+ 54
216	16.8	+ 0.58	92.9	+1.19	+11.13	11.84	10.44	+ 102	+ 776	+ 112	+ 57	+ 82	+ 12
217	14.3	+24.20	281.3	−0.07	− 5.69	9.05	8.92	+ 314	+ 2087	− 4	+ 108	+ 66	+ 38
218	16.5	−13.42	571.7	+1.41	−11.41	12.03	11.72	+ 314	− 615	− 66	+ 191	− 8	− 85
219	14.8	+ 0.39	78.3	−0.90	+ 4.27	10.51	10.22	− 80	+ 24	− 56	− 57	+ 7	− 61
220	13.8	− 3.79	81.8	−0.38	+ 2.80	8.97	8.87	+ 106	− 474	+ 22	+ 63	− 57	+ 45
221	13.8	−22.54	283.5	+1.13	+ 0.97	8.76	8.65	− 111	+ 2096	− 54	+ 54	+ 78	− 78
222	13.1	− 2.39	78.2	−0.44	+ 5.52	9.14	8.75	− 344	+ 1902	+ 435	− 212	+ 213	+ 336
223	14.6	+ 9.96	120.6	−2.95	+ 6.83	11.20	9.92	+ 172	+ 278	− 108	+ 86	+ 21	− 85
224	15.6	−11.64	193.0	+1.44	+ 2.68	11.27	11.06	+ 136	− 744	− 109	+ 72	− 33	− 99
225	17.0	− 1.39	165.0	−0.48	+ 9.44	12.15	11.60	+ 1328	− 5697	− 13	+ 761	− 356	+ 296
226	16.5	− 8.65	176.8	−1.48	+ 6.88	12.12	11.77	+ 100	− 123	+ 106	+ 66	− 8	+ 99
227	16.8	− 2.66	227.7	−4.12	+ 8.13	11.70	10.44	+ 439	− 3140	+ 128	+ 317	− 146	+ 323
228	18.5	+ 4.84	155.8	−1.09	− 3.85	12.37	12.23	+ 139	− 83	+ 87	+ 81	− 6	+ 75
229	18.0	− 1.12	292.7	−4.13	+11.69	12.74	11.34	+ 62	− 164	+ 140	+ 66	− 11	+ 141
230	20.5	+24.81	634.0	−4.30	+ 8.51	14.25	13.04	+ 444	+ 463	+ 24	+ 240	− 3	+ 92
231	16.8	+ 0.35	174.7	−2.87	+ 0.90	10.71	10.21	+ 163	+ 1872	+ 90	+ 112	+ 106	+ 106
232	15.8	−10.14	523.2	−3.85	+19.99	11.18	9.65	− 118	+ 6034	+ 296	+ 15	+ 113	+ 67
233	14.8	+ 3.24	101.2	+0.31	+ 7.96	9.56	8.93	+ 8	− 1002	+ 168	+ 26	− 122	+ 277
234	13.4	+ 1.33	138.0	−1.71	+ 2.87	10.32	10.03	− 800	− 2446	+ 120	− 571	− 173	+ 70
235	16.4	−12.12	242.6	+2.33	+ 0.63	12.17	11.82	− 167	− 493	+ 57	− 132	− 27	+ 74
236	14.7	+ 7.03	93.8	−2.05	+ 0.72	10.82	10.51	+ 212	− 2658	+ 493	+ 371	− 316	+ 547
237	14.4	− 3.34	140.7	−0.48	+ 1.30	11.53	11.50	− 4	− 482	+ 35	− 10	− 35	+ 34
238	14.8	+ 3.25	91.2	−2.23	+ 1.47	11.13	10.75	− 47	− 649	+ 154	+ 7	− 74	+ 150
239	15.9	+ 7.66	85.9	−1.81	− 3.83	14.08	13.76	+ 31	− 300	− 10	+ 37	− 39	− 12
240	14.7	− 5.75	108.7	−0.01	− 9.81	12.89	11.99	− 77	− 1256	+ 178	− 98	− 116	+ 50
241	16.0	− 5.89	121.5	+3.69	+ 4.46	13.07	11.94	+ 148	+ 58	+ 270	+ 48	0	+ 193
242	16.7	− 3.07	120.1	+3.87	+ 5.60	13.84	12.84	+ 286	+ 29	+ 127	+ 158	+ 4	+ 45
243	16.8	− 5.22	167.4	+0.28	+10.77	13.88	13.16	+ 220	+ 687	+ 113	+ 143	+ 42	+ 46
244	17.1	+ 2.45	104.4	−0.71	+ 1.04	14.64	14.60	+ 43	− 692	+ 29	+ 36	− 67	+ 27
245	14.9	+ 3.24	165.1	+0.06	+ 2.21	12.49	12.46	+ 175	+ 33	− 68	+ 117	0	− 55
246	17.2	− 4.50	136.7	+4.74	− 3.70	14.81	13.46	− 113	+ 1190	+ 232	− 100	+ 89	+ 211
247	15.0	− 6.67	135.4	−0.84	+ 3.91	12.40	12.26	− 153	− 439	+ 26	− 118	− 39	+ 25
248	15.1	− 2.20	116.5	+1.28	+ 0.25	12.15	12.04	− 161	− 74	− 3	− 109	− 8	+ 9
249	16.5	+17.74	236.2	+0.12	−17.35	12.93	11.52	+ 365	+ 1058	+ 31	+ 181	+ 36	+ 71
250	15.5	− 4.30	129.5	−2.09	− 5.40	12.17	11.61	− 1550	+ 4012	+ 237	− 898	+ 287	+ 168
251	16.6	− 4.76	226.8	+3.83	− 2.34	12.90	12.01	− 17	− 873	+ 107	− 42	− 38	+ 88
252	15.0	+10.99	257.5	+2.58	− 2.66	10.70	10.18	− 529	− 2188	− 72	− 297	− 72	− 14
253	14.7	+17.08	157.3	+1.01	− 6.25	11.14	10.67	− 12	− 1118	+ 71	+ 84	− 80	+ 11
254	16.8	−20.18	487.9	−0.97	−14.33	11.73	11.15	− 1	+ 1810	− 36	+ 48	+ 40	+ 22
255	17.2	+ 6.28	248.4	+2.29	− 2.00	12.51	12.18	+ 195	+ 2655	+ 226	+ 49	+ 107	+ 189
256	16.4	− 3.08	114.8	+1.67	− 3.31	11.39	11.14	+ 227	− 1162	+ 129	+ 113	− 96	+ 69
257	13.5	+ 0.68	87.0	+1.53	+ 2.20	8.49	8.27	− 187	+ 1361	+ 98	− 159	+ 155	+ 104

(210) λ Horo 2h 22m.1 −60°46'

J.D.	h	P	m	p	v
	min				
4501	+ 9	− .67	− 34	1.0	− ".105
4503	+ 4	− .69	+ 26	1.0	+ 8
4730	+ 3	+ .96	+ 16	0.8	+ 28
4756	− 2	+ .86	0	0.7	− 2
4765	− 2	+ .78	0	1.0	+ 2
4872	+ 6	− .74	− 13	0.8	+ 38
4880	+ 4	− .81	+ 12	0.8	+ 86
5105	+ 1	+ .95	− 31	0.8	+ 41
5127	0	+ .80	− 43	1.0	+ 23
5229	+ 5	− .64	− 111	1.0	− 47
5245	+ 8	− .81	− 69	0.8	− 36
5248	+ 2	− .83	− 121	0.8	− 60
5822	− 1	+ .96	− 176	0.8	− 39
5968	+ 3	− .74	− 169	1.0	+ 47
5972	+ 5	− .78	− 195	1.0	+ 2
6192	+ 5	+ .96	− 237	1.0	− 49
6211	+ 6	+ .89	− 207	1.0	+ 9

(211) η Erid 2h 51m.5 −9°18'

J.D.	h	P	m	p	v
	min				
4504	− 4	− .61	− 48	1.0	− ".019
4506	− 5	− .65	+ 20	0.8	+ 109
4737	+ 1	+ .97	− 20	0.8	− 4
4764	− 3	+ .86	− 63	1.0	− 85
4765	+ 4	+ .85	0	1.0	+ 34
4772	+ 5	+ .80	− 61	0.7	− 81
4882	− 1	− .77	− 29	0.8	− 49
4889	+ 5	− .82	+ 26	0.6	+ 55
5129	+ 3	+ .87	+ 36	1.0	+ 38
5133	+ 8	+ .83	+ 13	0.8	− 6
5140	− 4	+ .76	0	0.8	− 30
5244	+ 4	− .73	+ 53	1.0	+ 43
5245	+ 4	− .75	0	0.8	− 56
5473	+ 8	+ .96	+ 69	1.0	+ 41
5481	+ 4	+ .94	+ 72	0.8	+ 47
5612	+ 2	− .76	+ 33	1.0	− 58
5616	− 2	− .80	+ 69	1.0	+ 9

(212) τ^3 Erid 2h 58m.0 −24°1'

J.D.	h	P	m	p	v
	min				
4499	+ 6	− .54	− 45	0.8	".000
4516	+ 9	− .75	− 56	1.0	− 21
4522	+ 3	− .80	− 35	1.0	+ 19
4737	+ 4	+ .97	− 1	0.6	+ 9
4750	+ 3	+ .95	+ 16	0.7	+ 41
4756	+ 7	+ .92	− 40	0.8	− 64
4760	0	+ .90	+ 2	0.8	+ 15
4880	+ 3	− .74	− 16	0.8	+ 53
4886	+ 2	− .80	− 72	1.0	− 53
4892	+ 5	− .84	− 29	1.0	+ 28
5105	0	+ .97	− 6	0.8	− 2
5127	+ 3	+ .88	+ 32	1.0	+ 70
5130	+ 1	+ .87	+ 1	1.0	+ 11
5143	+ 3	+ .75	− 28	0.8	− 43
5234	+ 2	− .61	− 58	1.0	− 36
5253	+ 3	− .80	− 57	0.8	− 34
5473	+ 8	+ .97	− 6	1.0	− 13
5481	+ 4	+ .95	− 11	1.0	− 23
5612	+ 2	− .75	− 47	0.8	− 17
5621	+ 11	− .83	− 9	1.0	+ 55

(213) γ Erid 3h 53m.4 −13°48'

J.D.	h	P	m	p	v
	min				
4522	+ 6	− .68	+ 20	0.8	+ ".085
4528	− 2	− .73	− 41	1.0	− 30
4531	+ 5	− .78	− 11	0.8	+ 26
4539	− 5	− .84	− 67	1.0	− 79
4756	+ 5	+ .99	− 15	1.0	+ 17
4760	− 2	+ .98	− 22	1.0	+ 4
4764	+ 2	+ .96	− 48	1.0	− 45
4774	0	+ .92	− 18	0.8	+ 11
4886	− 3	− .67	− 37	0.8	− 58
4889	+ 1	− .70	+ 13	0.8	+ 36
4896	− 3	− .77	+ 50	0.8	+ 105
5130	0	+ .96	+ 24	1.0	+ 51
5145	+ 1	+ .88	− 12	0.8	− 17
5147	+ 2	+ .86	+ 5	0.8	+ 15
5150	+ 6	+ .83	− 24	1.0	− 39
5248	0	− .63	+ 26	1.0	+ 24
5255	+ 2	− .71	− 31	0.8	− 83
5267	− 3	− .82	+ 4	1.0	− 17
5270	− 4	− .85	+ 28	0.7	+ 28

(214) 43 Erid 4h 20m.3 −34°15'

J.D.	h	P	m	p	v
	min				
4775	+ 2	+ .95	0	1.0	+ ".021
4776	− 2	+ .94	− 22	1.0	− 21
4790	− 5	+ .85	0	1.0	+ 21
4796	+ 4	+ .79	0	0.8	+ 19
4910	+ 4	− .85	− 38	1.0	− 96
4913	+ 6	− .87	+ 58	0.6	+ 83
5130	+ 1	+ .99	+ 39	1.0	+ 28
5147	+ 2	+ .91	+ 11	1.0	− 26
5154	+ 2	+ .86	+ 43	1.0	+ 34
5266	+ 2	− .76	+ 30	1.0	− 36
5273	+ 7	− .83	+ 82	0.7	+ 60
5497	+ 4	+ .98	+ 50	1.0	− 19
5624	+ 3	− .68	+ 102	1.0	+ 30
5645	+ 8	− .89	+ 65	1.0	− 41
5868	+ 5	+ .96	+ 62	1.0	− 66
6001	+ 2	− .83	+ 131	1.0	+ 13
6005	+ 5	− .84	+ 142	1.0	+ 34
6237	+ 6	+ .95	+ 132	1.0	− 8
6239	+ 9	+ .94	+ 136	1.0	0
6244	+ 10	+ .90	+ 149	1.0	+ 24

(215) η Reti 4h 20m.8 −63°37'

J.D.	h	P	m	p	v
	min				
4798	+ 2	+ .76	− 99	0.7	− ".030
4799	0	+ .76	− 69	1.0	+ 28
4800	− 5	+ .75	− 78	1.0	+ 9
4892	− 2	− .67	− 89	1.0	− 15
4902	+ 1	− .79	− 108	0.6	− 53
5134	+ 5	+ .97	− 54	1.0	− 23
5152	+ 3	+ .87	− 31	1.0	+ 24
5268	+ 2	− .78	− 20	0.7	+ 36
5643	+ 7	− .87	+ 40	0.8	+ 70
5645	+ 4	− .89	0	0.7	− 4
5646	+ 6	− .90	0	0.8	− 6
5864	+ 2	+ .97	+ 34	1.0	− 6
5868	− 1	+ .96	+ 21	1.0	− 32
5997	− 2	− .77	+ 56	1.0	+ 24
6007	+ 5	− .86	+ 15	1.0	− 53
6228	+ 7	+ .98	+ 56	0.6	− 45
6235	+ 6	+ .95	+ 107	1.0	+ 55
6246	+ 5	+ .89	+ 72	0.6	− 11

(216) η^2 Pict $5^h 2^m.4$ −49°43'

J.D.	h	P	m	p	v
	min				
5543	− 4	+ .71	− 13	1.0	+".019
5545	+ 3	+ .69	+ 4	0.8	+ 49
5646	+ 1	− .83	− 30	1.0	− 28
5652	0	− .88	− 30	1.0	− 28
5655	− 6	− .90	− 30	0.8	− 26
5657	+ 1	− .91	0	1.0	+ 28
5886	+ 4	+ .93	0	1.0	− 13
5900	+ 4	+ .81	+ 4	1.0	− 6
5902	+ 2	+ .79	0	1.0	− 13
5903	− 10	+ .77	− 11	1.0	− 32
6005	+ 2	− .76	+ 23	1.0	+ 17
6007	− 3	− .79	0	1.0	− 26
6013	− 5	− .84	+ 23	0.8	+ 19
6016	− 3	− .87	+ 35	1.0	+ 39
6242	0	+ .98	+ 56	0.7	+ 39
6244	+ 5	+ .97	+ 25	0.7	− 21
6256	+ 8	+ .89	+ 34	1.0	− 4
6266	+ 1	+ .80	+ 36	1.0	0

(217) 16 Orio $5^h 3^m.8$ +9°42'

J.D.	h	P	m	p	v
	min				
4804	− 6	+ .81	− 12	1.0	−".004
4813	+ 3	+ .71	− 40	0.8	− 56
4814	− 6	+ .70	0	0.8	+ 19
4924	+ 3	− .89	0	0.8	+ 19
4927	+ 2	− .91	+ 29	0.7	+ 73
4928	+ 2	− .93	− 18	0.6	− 15
5178	+ 9	+ .72	0	1.0	− 26
5185	+ 2	+ .64	+ 29	1.0	+ 28
5186	0	+ .62	0	0.6	− 26
5644	+ 4	− .81	+ 25	0.7	− 26
5646	+ 4	− .82	+ 35	1.0	− 8
5649	+ 8	− .85	+ 45	1.0	+ 11
5652	+ 4	− .87	+ 13	1.0	− 49
5659	+ 8	− .93	+ 39	0.7	0
5900	+ 9	+ .81	+ 82	1.0	+ 39
5903	+ 8	+ .78	+ 69	0.8	+ 15
5910	− 4	+ .70	+ 55	0.8	− 11

(218) ρ Orio $5^h 8^m.1$ +2°45'

J.D.	h	P	m	p	v
	min				
4801	− 3	+ .86	+ 8	0.7	−".021
4802	− 5	+ .84	0	0.8	− 36
4804	− 3	+ .83	+ 53	1.0	+ 64
4813	+ 7	+ .73	+ 19	1.0	0
4927	+ 4	− .91	+ 30	0.8	− 6
4928	+ 5	− .92	+ 56	0.8	+ 43
5154	+ 4	+ .94	− 8	0.8	− 43
5160	+ 2	+ .91	0	0.7	− 28
5644	+ 7	− .80	+ 46	0.7	+ 38
5649	+ 11	− .84	+ 40	0.8	+ 26
5652	+ 5	− .87	+ 7	1.0	− 36
5658	+ 5	− .92	+ 32	0.7	+ 11
5906	+ 10	+ .75	0	0.8	− 21
6013	0	− .83	+ 4	0.8	− 36
6023	+ 6	− .91	− 4	0.8	− 51
6242	0	+ .98	+ 33	0.7	+ 49
6265	+ 4	+ .83	0	0.8	− 13
6266	+ 5	+ .81	+ 10	1.0	+ 6
6274	+ 1	+ .73	+ 20	1.0	+ 24
6387	+ 8	− .90	+ 32	0.8	+ 21

(219) θ Dora $5^h 13^m.8$ −67°18'

J.D.	h	P	m	p	v
	min				
4536	+ 4	− .64	− 21	1.0	−".032
4550	+ 8	− .81	+ 41	0.7	+ 81
4566	+ 9	− .93	+ 8	0.7	+ 21
4791	+ 5	+ .93	− 21	1.0	− 17
4800	− 6	+ .87	0	1.0	+ 21
4801	+ 1	+ .86	− 30	0.7	− 34
4814	+ 1	+ .73	0	1.0	+ 21
4913	− 1	− .78	− 50	1.0	− 92
4919	0	− .84	0	1.0	+ 2
4921	− 3	− .85	+ 16	1.0	+ 32
4924	+ 6	− .88	− 17	1.0	− 32
5152	0	+ .96	− 14	1.0	− 8
5163	+ 2	+ .89	− 16	1.0	− 13
5175	− 7	+ .78	+ 6	1.0	+ 24
5285	+ 3	− .84	0	0.7	− 2
5287	+ 5	− .86	+ 23	1.0	+ 41

(220) λ Dora $5^h 24^m.9$ −59°0'

J.D.	h	P	m	p	v
	min				
5543	+ 1	+ .78	+ 32	0.8	+".006
5545	− 1	+ .75	+ 13	0.7	− 30
5546	+ 2	+ .74	+ 43	0.8	+ 26
5650	+ 4	− .82	+ 14	0.7	− 4
5651	+ 3	− .83	+ 19	0.8	+ 6
5655	+ 3	− .86	+ 11	0.8	− 9
5657	+ 1	− .88	+ 28	0.7	+ 23
5896	− 1	+ .89	− 28	0.8	− 71
5903	+ 8	+ .83	+ 35	0.8	+ 47
5915	− 10	+ .70	+ 19	0.8	+ 17
6006	− 1	− .72	− 37	0.7	− 62
6007	− 1	− .73	− 8	1.0	− 8
6013	− 2	− .80	+ 22	0.7	+ 49
6015	+ 3	− .82	+ 24	0.6	+ 53
6028	+ 1	− .92	− 13	1.0	− 17
6266	+ 2	+ .85	− 30	0.8	− 36
6273	+ 3	+ .78	+ 12	0.7	+ 43
6274	+ 2	+ .77	− 8	0.6	+ 6

(221) ξ Colm $5^h 52^m.1$ −37°8'

J.D.	h	P	m	p	v
	min				
4536	− 4	− .52	− 59	0.8	+".021
4804	0	+ .91	− 85	0.8	− 51
4814	+ 2	+ .83	− 63	0.8	− 9
4830	0	+ .64	− 26	0.8	+ 60
4924	+ 6	− .81	− 44	0.8	− 13
5305	+ 8	− .94	− 5	0.7	+ 2
5307	+ 6	− .95	0	0.7	+ 11
5546	0	+ .82	− 31	0.8	− 56
5547	+ 1	+ .80	0	0.7	+ 2
5548	+ 1	+ .79	+ 18	0.8	+ 36
5549	+ 4	+ .77	− 19	0.8	− 34
5641	+ 3	− .64	+ 5	0.8	− 28
5654	+ 3	− .79	+ 43	0.8	+ 43
5663	+ 6	− .88	+ 23	0.8	+ 6
5673	+ 8	− .95	− 3	0.7	− 43
5910	+ 6	+ .83	+ 25	0.8	− 8
5918	+ 4	+ .73	+ 82	0.8	+ 100
5921	− 6	+ .70	0	0.6	− 55

(222) BS 2102 5h 53m.3 −63°7'

J.D.	h	P	m	p	v
	min				
5547	+ 5	+ .80	− 70	0.7	+ ".008
5551	− 2	+ .76	− 87	1.0	− 24
5650	+ 1	− .75	−100	0.8	+ 9
5657	+ 2	− .83	−117	0.7	− 23
5659	+ 1	− .85	−112	0.8	− 11
5676	+ 7	− .96	− 77	0.8	+ 55
5903	+ 8	+ .88	0	0.8	− 9
5921	+ 3	+ .70	+ 22	0.7	+ 36
5922	− 5	+ .69	0	1.0	− 4
6023	− 2	− .83	+ 5	1.0	+ 62
6028	+ 4	− .88	− 39	0.8	− 21
6035	+ 2	− .93	− 49	1.0	− 39
6039	+ 1	− .95	− 55	0.6	− 51
6265	− 1	+ .91	+ 75	0.7	− 13
6266	+ 6	+ .90	+ 87	1.0	+ 9
6287	+ 2	+ .69	+ 85	0.7	+ 9

(223) BS 2334 6h 22m.1 +0°22'

J.D.	h	P	m	p	v
	min				
5316	+ 3	− .96	0	1.0	− ".019
5319	+ 5	− .97	+ 14	0.8	+ 8
5320	+ 4	− .97	+ 14	0.6	+ 9
5542	+ 3	+ .90	0	1.0	+ 4
5548	− 2	+ .85	− 15	0.6	− 26
5560	+ 3	+ .74	+ 7	1.0	+ 13
5663	0	− .82	+ 43	1.0	+ 51
5673	+ 2	− .90	0	1.0	− 32
5678	+ 4	− .94	0	0.8	− 30
5683	+ 5	− .96	+ 6	0.7	− 21
5915	− 1	+ .84	0	0.7	− 13
5922	+ 8	+ .76	+ 34	0.7	+ 51
5923	+ 5	+ .75	+ 9	1.0	+ 2
6030	+ 1	− .83	+ 52	1.0	+ 55
6039	+ 1	− .91	0	0.7	− 43
6040	− 3	− .92	+ 27	1.0	+ 6
6276	0	+ .88	− 4	1.0	− 32

(224) BS 2652 6h 58m.4 −51°16'

J.D.	h	P	m	p	v
	min				
5187	− 1	+ .89	+ 13	1.0	− ".006
5205	− 3	+ .71	+ 2	1.0	− 26
5210	0	+ .64	+ 21	0.6	+ 9
5302	+ 3	− .77	+ 25	1.0	− 6
5312	− 3	− .87	+ 17	0.8	− 21
5327	+ 2	− .97	+ 10	0.8	− 34
5329	+ 7	− .97	+ 39	0.8	+ 21
5548	+ 1	+ .92	+ 45	0.7	+ 79
5551	− 4	+ .89	+ 16	1.0	+ 24
5553	− 1	+ .88	0	1.0	− 6
5568	+ 3	+ .73	− 5	0.7	− 15
5678	+ 3	− .87	+ 24	0.8	+ 15
5685	+ 5	− .93	+ 25	1.0	+ 17
5918	+ 3	+ .88	− 53	0.7	− 81
5923	+ 4	+ .84	+ 8	1.0	+ 34
6047	+ 5	− .91	+ 19	0.6	+ 28
6065	+ 7	− .99	− 7	0.7	− 21
6300	0	+ .71	+ 3	0.7	+ 43
6303	+ 3	+ .68	− 56	0.7	− 68

(225) BS 3018 7h 41m.9 −33°59'

J.D.	h	P	m	p	v
	min				
5348	+ 9	− .99	+257	1.0	− ".002
5581	+ 6	+ .70	+233	0.8	+ 15
5583	+ 5	+ .67	+220	1.0	− 8
5584	+ 4	+ .65	+235	1.0	+ 23
5690	0	− .88	+131	1.0	− 17
5697	+ 5	− .94	+120	1.0	− 28
5708	+ 1	− .98	+128	1.0	− 4
5940	+11	+ .77	+102	1.0	+ 6
5943	+ 7	+ .72	+108	0.8	+ 21
5947	+ 5	+ .68	+ 80	0.8	− 26
6063	− 1	− .94	+ 35	1.0	+ 56
6068	+ 3	− .96	0	1.0	− 6
6075	+ 4	− .99	0	0.8	− 2
6292	− 1	+ .88	− 57	1.0	− 64
6297	+ 4	+ .84	− 27	1.0	− 4
6298	+ 2	+ .84	− 19	1.0	+ 13
6312	− 1	+ .69	− 13	0.8	+ 43
6420	+ 3	− .88	−123	1.0	− 6

(226) BS 3170 8h 0m.4 −32°24'

J.D.	h	P	m	p	v
	min				
4987	+ 2	− .98	− 5	1.0	− ".013
5214	+ 3	+ .76	+ 41	1.0	+ 41
5327	− 4	− .87	0	1.0	− 2
5329	− 2	− .88	0	1.0	− 2
5339	+ 2	− .94	0	0.8	− 2
5568	+ 3	+ .86	− 6	0.8	− 39
5570	+ 1	+ .84	+ 25	0.8	+ 19
5571	− 1	+ .84	+ 26	1.0	+ 21
5581	+ 3	+ .74	+ 18	0.8	+ 6
5704	− 1	− .94	− 17	1.0	− 26
5706	+ 3	− .95	− 13	1.0	− 19
5940	+ 8	+ .80	0	1.0	− 23
5947	+ 5	+ .73	0	0.8	− 23
5950	− 1	+ .69	+ 13	1.0	+ 2
5951	+ 5	+ .68	+ 6	1.0	− 11
6063	+ 3	− .91	+ 6	1.0	+ 21
6077	− 4	− .98	+ 4	0.7	+ 17
6078	− 1	− .98	+ 13	0.8	+ 34

(227) ζ Hydae 8h 50m.1 +6°20'

J.D.	h	P	m	p	v
	min				
4628	+ 3	− .96	+ 98	0.7	+ ".019
4632	+ 3	− .97	+ 61	1.0	− 51
4634	+ 4	− .97	+115	1.0	+ 51
4873	− 1	+ .60	+122	1.0	+ 36
4876	0	+ .56	+ 82	1.0	− 39
4993	− 2	− .95	+ 55	1.0	+ 38
4996	+ 3	− .96	+ 26	0.7	− 17
5223	− 1	+ .77	+ 87	0.8	+ 60
5229	0	+ .71	+ 30	0.8	− 47
5234	+ 3	+ .65	+ 74	1.0	+ 36
5339	− 4	− .85	− 50	0.8	− 68
5348	0	− .91	− 29	1.0	− 28
5355	+ 6	− .94	− 47	1.0	− 62
5581	+ 1	+ .84	+ 23	0.7	+ 41
5597	+ 5	+ .67	+ 4	1.0	+ 6
5604	− 1	+ .59	− 41	1.0	− 79
5721	0	− .95	− 63	0.7	+ 15
5724	− 2	− .96	− 40	0.8	+ 58
5727	+ 5	− .96	− 48	0.8	+ 43

(228) BS 3551 $8^h 50^m.5$ -47°8'

J.D.	h	P	m	p	v
	min				
4496	+ 4	+ .74	+ 27	1.0	+".023
4501	+ 4	+ .68	+ 27	0.8	+ 23
4503	+ 3	+ .66	− 3	1.0	− 34
4587	+ 7	− .63	0	1.0	− 6
4618	+ 2	− .92	+ 8	1.0	+ 9
4619	+ 4	− .92	+ 20	1.0	+ 32
4622	+ 4	− .94	− 29	1.0	− 60
4850	0	+ .84	+ 33	1.0	+ 36
4859	+ 5	+ .76	+ 10	1.0	− 8
4860	+ 3	+ .75	+ 19	0.8	+ 9
4873	− 6	+ .60	+ 19	1.0	+ 9
4983	− 2	− .91	− 7	1.0	− 13
4984	− 4	− .92	+ 23	0.8	+ 43
4993	+ 3	− .95	− 13	1.0	− 24
5214	− 1	+ .85	0	1.0	− 23
5223	+ 3	+ .77	− 16	1.0	− 53
5224	− 3	+ .77	+ 29	0.8	+ 32
5336	− 1	− .83	0	0.7	+ 4
5348	+ 7	− .91	0	0.8	+ 4
5357	0	− .95	+ 15	0.8	+ 32

(229) BS 3591 $8^h 56^m.4$ -40°52'

J.D.	h	P	m	p	v
	min				
4628	+ 3	− .95	+ 56	0.8	+".105
4629	0	− .95	+ 12	1.0	+ 23
4632	+ 1	− .97	− 27	1.0	− 51
4633	0	− .97	− 11	1.0	− 21
4873	− 2	+ .61	− 6	1.0	− 47
4876	+ 1	+ .58	0	1.0	− 36
4982	+ 1	− .90	− 4	1.0	0
5217	+ 1	+ .84	+ 40	0.6	+ 45
5229	− 1	+ .73	+ 23	0.8	+ 13
5235	− 2	+ .65	+ 36	1.0	+ 38
5339	− 1	− .84	− 12	0.8	− 9
5361	+ 7	− .96	0	0.8	+ 13
5362	+ 2	− .96	− 29	0.6	− 41
5583	− 2	+ .84	0	0.6	− 24
5593	+ 4	+ .74	+ 31	0.8	+ 34
5598	+ 7	+ .69	+ 4	1.0	− 17
5601	+ 5	+ .64	+ 18	1.0	+ 9
5714	− 1	− .91	− 19	0.8	− 15
5718	0	− .93	− 33	0.8	− 41
5721	+ 2	− .94	− 4	0.8	+ 13
5724	+ 5	− .95	0	0.8	+ 21

(230) N Velr $9^h 28^m.2$ -56°36'

J.D.	h	P	m	p	v
	min				
4523	+ 9	+ .50	+ 71	0.8	+".075
4619	+ 4	− .84	0	1.0	− 36
4628	+ 6	− .91	+ 44	1.0	+ 47
4643	+ 5	− .96	0	0.8	− 32
4647	+ 4	− .96	0	1.0	− 32
5247	0	+ .60	+ 35	0.8	+ 9
5248	− 1	+ .58	+ 27	1.0	− 4
5375	+ 4	− .96	0	0.7	− 28
5381	+ 7	− .96	+ 28	1.0	+ 24
5596	+ 6	+ .78	+ 66	1.0	+ 66
5597	0	+ .77	+ 4	1.0	− 49
5601	+ 5	+ .73	+ 16	1.0	− 26
5727	− 4	− .92	+ 9	1.0	− 9
5731	−10	− .94	− 11	1.0	− 49
5956	+ 1	+ .83	+ 21	0.8	− 15
5968	− 1	+ .70	+ 14	0.8	− 26
5972	0	+ .66	0	1.0	− 53
5973	+ 5	+ .65	+ 50	1.0	+ 41
6093	+ 1	− .93	+ 70	1.0	+ 105
6102	0	− .95	+ 29	0.8	+ 30
6103	− 4	− .95	+ 21	1.0	+ 17
6104	+ 4	− .96	− 16	1.0	− 53

(231) υ Leon $11^h 31^m.8$ -0°16'

J.D.	h	P	m	p	v
	min				
4551	+ 5	+ .54	0	1.0	+".066
4553	0	+ .52	− 31	1.0	+ 8
4651	+ 7	− .83	− 74	1.0	− 70
4670	+ 3	− .92	− 42	0.8	− 8
4684	+ 9	− .93	− 3	0.8	+ 66
4893	+ 5	+ .79	− 5	1.0	− 17
4905	− 1	+ .68	− 47	1.0	− 96
5032	+ 3	− .90	0	1.0	− 2
5036	+ 3	− .92	+ 8	0.8	+ 13
5042	+ 2	− .93	0	0.8	− 2
5046	+ 3	− .93	0	1.0	− 2
5267	+ 1	+ .71	+ 67	1.0	+ 43
5270	+ 8	+ .69	+ 62	1.0	+ 36
5277	− 4	+ .61	+ 35	1.0	− 15
5403	+ 6	− .93	+ 15	1.0	− 47
5407	+ 3	− .93	+ 44	0.8	+ 6
5410	+ 6	− .93	+ 76	0.8	+ 68
5641	+ 7	+ .62	+ 75	1.0	− 13

(232) BS 4699 $12^h 15^m.8$ -13°1'

J.D.	h	P	m	p	v
	min				
4670	+ 3	− .86	− 84	1.0	+".056
4671	0	− .86	−131	1.0	− 32
4688	+ 1	− .93	− 99	1.0	+ 28
4692	− 1	− .93	−153	1.0	− 73
5288	− 1	+ .62	− 6	1.0	+ 53
5641	+ 2	+ .75	+ 13	1.0	+ 13
5644	0	+ .71	+ 22	0.8	+ 30
5646	+ 9	+ .69	+ 6	0.8	0
5777	− 4	− .92	− 38	0.7	− 92
5789	+ 3	− .93	+ 23	0.7	+ 23
5997	− 3	+ .81	+ 29	0.8	− 34
6002	+ 3	+ .78	+ 16	1.0	− 58
6003	+ 4	+ .76	+ 50	1.0	+ 6
6139	− 1	− .90	+ 50	1.0	− 4
6141	+ 1	− .91	+ 41	1.0	− 21
6146	+ 4	− .92	+ 71	1.0	+ 36
6154	0	− .93	+ 79	1.0	+ 51

(233) 2 Cent $13^h 43^m.7$ -33°57'

J.D.	h	P	m	p	v
	min				
4578	+ 4	+ .67	+113	0.7	+".098
4585	+ 4	+ .58	+ 95	0.7	+ 64
4588	+ 6	+ .54	+ 70	0.8	+ 17
4687	+ 3	− .83	0	1.0	− 9
4688	− 1	− .84	− 10	0.8	− 28
4705	− 1	− .93	− 37	0.8	− 79
4713	+ 7	− .95	+ 38	0.8	+ 62
4916	− 2	+ .88	+ 8	1.0	− 36
4921	0	+ .86	0	0.8	− 51
4924	+ 1	+ .83	− 48	0.8	− 141
5052	+ 3	− .83	− 34	0.8	+ 11
5064	+ 2	− .90	− 10	0.7	+ 56
5069	− 2	− .92	− 30	0.7	+ 19
5071	0	− .93	− 68	0.8	− 53
5300	+ 1	+ .75	− 21	0.8	+ 8
5306	+ 7	+ .69	0	0.8	+ 47
5307	− 5	+ .68	− 6	1.0	+ 36
5308	− 4	+ .66	− 24	1.0	+ 2

(234) BS 5297 14h 3m.3 -52°58'

J.D.	h	P	m	p	v
	min				
5052	+ 2	- .79	+ 62	1.0	- ".009
5425	- 2	- .85	0	0.7	- 4
5445	- 6	- .94	- 27	0.8	- 45
5650	- 2	+ .90	0	1.0	+ 47
5655	+ 4	+ .87	- 49	0.8	- 43
5662	- 10	+ .82	- 17	1.0	+ 21
5798	+ 1	- .90	- 37	1.0	+ 49
5806	- 3	- .93	- 54	1.0	+ 21
6014	- 7	+ .90	- 70	0.8	+ 34
6015	- 6	+ .89	- 86	0.8	+ 6
6029	- 10	+ .81	- 95	0.8	- 6
6036	- 10	+ .75	- 142	0.7	- 92
6162	- 5	- .90	- 157	0.7	- 58
6165	- 10	- .91	- 148	0.8	- 39
6172	- 10	- .93	- 98	0.7	+ 58
6175	- 10	- .94	- 120	0.8	+ 17

(235) 2 Lupi 15h 11m.7 -29°47'

J.D.	h	P	m	p	v
	min				
4594	- 3	+ .76	+ 37	1.0	+ ".056
4595	- 8	+ .75	- 7	1.0	- 24
4597	- 8	+ .75	+ 23	1.0	+ 36
4598	+ 1	+ .71	+ 8	1.0	+ 6
4727	+ 4	- .95	- 32	1.0	- 41
4731	+ 3	- .97	0	0.7	+ 19
4733	+ 5	- .97	- 19	0.7	- 15
4734	+ 2	- .97	0	0.7	+ 21
4947	+ 3	+ .87	- 31	0.8	- 53
4950	0	+ .84	- 22	1.0	- 36
4951	- 1	+ .83	- 18	0.6	- 24
5080	+ 6	- .88	- 4	0.8	+ 28
5094	+ 2	- .95	- 27	0.7	- 13
5306	+ 5	+ .89	- 26	0.8	- 26
5307	+ 2	+ .89	0	1.0	+ 24
5455	+ 10	- .94	- 41	0.6	- 21
5460	+ 9	- .95	- 21	1.0	+ 19
5685	+ 7	+ .80	- 36	1.0	- 24
5687	+ 6	+ .78	0	1.0	+ 43

(236) λ Serp 15h 41m.6 +7°40'

J.D.	h	P	m	p	v
	min				
4730	+ 5	- .94	+ 111	0.8	+ ".021
4735	+ 5	- .96	+ 116	0.6	+ 30
4736	+ 3	- .96	+ 78	0.8	- 41
4963	- 3	+ .80	+ 133	0.7	+ 26
4965	- 3	+ .78	+ 106	0.8	- 24
4968	- 5	+ .75	+ 120	0.8	+ 2
4972	- 3	+ .71	+ 116	1.0	- 6
5082	+ 1	- .85	- 3	0.8	+ 21
5104	+ 8	- .97	- 16	1.0	- 4
5105	+ 10	- .98	- 22	0.8	- 15
5329	+ 7	+ .79	0	1.0	- 9
5330	- 2	+ .78	0	0.8	- 9
5331	+ 7	+ .77	+ 21	1.0	+ 30
5336	- 3	+ .73	+ 4	0.8	- 2
5452	+ 3	- .89	- 115	0.6	+ 26
5458	+ 3	- .92	- 140	0.8	- 21
5462	+ 7	- .94	- 144	1.0	- 28
5466	+ 2	- .96	- 103	0.6	+ 49

(237) 23 Ophi 16h 49m.2 -6°0'

J.D.	h	P	m	p	v
	min				
4756	+ 5	- .99	+ 41	0.8	+ ".047
4981	- 8	+ .80	+ 14	0.6	- 2
4982	0	+ .79	- 11	0.8	- 45
4983	+ 1	+ .79	+ 26	0.8	+ 23
5092	- 4	- .80	- 13	0.8	- 32
5108	+ 1	- .92	+ 3	1.0	- 2
5112	+ 2	- .95	- 11	0.7	- 28
5117	- 3	- .97	0	0.7	- 8
5330	+ 1	+ .93	+ 29	0.8	+ 51
5339	+ 3	+ .87	- 19	0.8	- 39
5340	+ 2	+ .86	+ 13	0.8	+ 21
5354	+ 1	+ .72	0	0.8	- 4
5458	+ 6	- .81	0	0.7	+ 15
5479	+ 2	- .96	- 7	0.8	+ 4
5687	+ 5	+ .97	- 18	1.0	- 15
5688	+ 8	+ .96	0	0.8	+ 19
5840	+ 4	- .94	- 28	0.7	- 13
5850	+ 10	- .98	- 16	1.0	+ 11

(238) 30 Ophi 16h 55m.8 -4°4'

J.D.	h	P	m	p	v
	min				
4727	- 1	- .79	+ 10	0.6	- ".011
4741	+ 1	- .91	+ 29	1.0	+ 24
4746	+ 1	- .94	- 6	0.8	- 41
4979	+ 2	+ .84	+ 24	0.8	+ 2
4981	+ 3	+ .81	+ 23	0.7	0
4983	+ 9	+ .80	+ 13	1.0	- 19
4984	- 5	+ .79	+ 17	1.0	- 11
5106	+ 7	- .91	- 13	0.8	+ 2
5109	+ 1	- .93	0	1.0	+ 26
5112	+ 2	- .94	0	0.7	+ 26
5123	+ 9	- .99	- 10	0.7	+ 8
5336	+ 6	+ .90	0	0.7	+ 8
5347	+ 1	+ .81	- 15	0.8	- 21
5354	+ 7	+ .74	+ 21	0.8	+ 47
5356	+ 11	+ .72	- 7	0.8	- 6
5458	+ 6	- .79	- 39	0.8	+ 2
5481	+ 5	- .96	- 49	1.0	- 17
5489	+ 10	- .99	- 55	0.8	- 28

(239) 41 Ophi 17h 11m.5 -0°20'

J.D.	h	P	m	p	v
	min				
5489	0	- .98	- 2	0.6	- ".039
5491	+ 5	- .99	+ 25	1.0	+ 11
5697	- 3	+ .95	+ 14	1.0	+ 11
5701	- 7	+ .93	+ 13	1.0	+ 9
5702	- 6	+ .93	+ 21	1.0	+ 24
5705	- 10	+ .91	+ 3	0.8	- 9
5833	+ 3	- .85	+ 38	0.8	+ 62
5839	- 7	- .90	+ 10	1.0	+ 9
5840	- 1	- .91	- 12	0.7	- 32
5844	- 4	- .93	- 4	0.7	- 17
5850	- 7	- .96	- 17	1.0	- 41
6056	- 7	+ .97	0	0.8	+ 11
6057	- 1	+ .97	- 6	0.8	0
6063	- 1	+ .94	- 29	0.8	- 43
6068	- 5	+ .92	- 14	0.8	- 15
6211	- 5	- .94	- 5	0.7	+ 9
6213	- 1	- .95	- 30	0.8	- 38
6218	- 8	- .97	0	0.8	+ 19
6219	- 7	- .97	+ 15	0.8	+ 47

(240) BS 6507 17h 23m.7 +0°25'

J.D.	h	P	m	p	v
	min				
5336	+ 5	+ .95	+ 66	0.8	+".026
5360	− 2	+ .75	+ 55	0.8	+ 6
5486	+ 3	− .95	+ 45	0.7	+ 34
5495	+ 5	− .99	+ 47	0.8	+ 38
5697	+ 4	+ .96	+ 15	0.7	+ 8
5701	+ 6	+ .95	+ 30	1.0	+ 36
5713	+ 2	+ .87	+ 17	1.0	+ 11
5714	+ 2	+ .86	− 13	1.0	− 45
5849	+ 3	− .95	− 48	1.0	− 62
5850	+ 8	− .95	− 16	1.0	− 2
5854	+ 2	− .96	− 58	0.7	− 81
5858	+ 1	− .99	− 36	0.7	− 39
6062	+ 4	+ .96	− 18	0.8	+ 23
6067	0	+ .95	− 42	0.8	− 23
6076	+ 5	+ .88	− 49	0.7	− 36
6218	+ 5	− .96	− 37	0.8	+ 39
6221	+ 2	− .98	− 52	0.8	+ 11
6224	+ 1	− .99	− 6	0.6	+ 98

(241) 51 Ophi 17h 25m.3 −23°53'

J.D.	h	P	m	p	v
	min				
4600	+ 5	+ .97	+ 8	1.0	−".030
4611	+ 5	+ .92	+ 23	1.0	0
4626	+ 5	+ .79	+ 30	1.0	+ 19
4629	+ 4	+ .76	0	1.0	− 38
4741	+ 2	− .85	− 4	1.0	+ 13
4756	+ 2	− .96	− 53	0.8	− 73
4759	+ 2	− .97	0	1.0	+ 26
4761	+ 5	− .98	0	0.8	+ 28
4965	+ 2	+ .97	+ 40	1.0	+ 30
4976	+ 2	+ .92	+ 51	0.8	+ 53
4981	0	+ .88	+ 33	0.7	+ 21
5105	+ 2	− .84	− 25	0.8	− 24
5107	0	− .85	0	0.8	+ 21
5117	+ 2	− .93	− 13	0.7	0
5330	0	+ .97	+ 50	1.0	+ 49
5339	+ 5	+ .94	− 36	0.8	− 109
5340	+ 3	+ .93	+ 7	1.0	− 30
5355	+ 3	+ .80	+ 37	0.8	+ 32

(242) μ Sgtr 18h 7m.8 −21°5'

J.D.	h	P	m	p	v
	min				
4611	+ 4	+ .98	+ 56	0.8	+".071
4625	+ 4	+ .89	− 44	0.7	− 117
4628	+ 3	+ .87	+ 21	1.0	+ 6
4629	+ 1	+ .86	+ 13	1.0	− 11
4760	− 1	− .93	+ 30	1.0	+ 36
4765	+ 5	− .95	0	0.8	− 21
4769	− 1	− .97	+ 9	1.0	− 4
4772	+ 1	− .98	+ 39	0.8	+ 56
4972	− 3	+ .98	0	0.8	− 39
4981	+ 2	+ .96	+ 37	0.8	+ 30
4991	− 1	+ .89	+ 25	1.0	+ 9
4996	+ 7	+ .85	+ 19	0.7	− 2
5111	+ 5	− .81	0	1.0	− 21
5116	+ 2	− .85	− 53	0.8	− 124
5134	+ 1	− .97	+ 55	0.7	+ 79
5348	+ 9	+ .94	+ 30	1.0	+ 19
5354	0	+ .91	+ 51	0.8	+ 58
5356	+ 2	+ .89	0	1.0	− 41
5367	− 9	+ .78	+ 26	1.0	+ 8

(243) κ Tele 18h 44m.7 −52°13'

J.D.	h	P	m	p	v
	min				
5007	0	+ .83	− 23	0.8	−".021
5146	+ 2	− .98	− 14	1.0	0
5375	− 6	+ .80	+ 13	0.8	+ 21
5376	− 1	+ .78	− 8	0.8	− 19
5486	− 3	− .81	0	0.8	− 2
5501	0	− .93	− 4	1.0	− 9
5507	0	− .96	− 20	0.7	− 39
5512	+ 1	− .98	+ 17	0.8	+ 30
5714	+ 3	+ .98	+ 52	1.0	+ 64
5725	− 1	+ .93	+ 24	0.8	+ 11
5726	+ 2	+ .92	+ 10	0.8	− 15
5850	+ 8	− .79	0	1.0	− 30
5867	− 1	− .93	+ 18	1.0	+ 4
5869	+ 4	− .94	+ 23	0.8	+ 13
5878	0	− .98	+ 33	1.0	+ 32
6077	+ 1	+ .99	+ 29	0.7	− 9
6087	− 6	+ .94	+ 50	1.0	+ 30
6096	+ 6	+ .88	+ 34	1.0	0
6097	− 6	+ .87	0	1.0	− 64

(244) BS 7122 18h 49m.2 −42°50'

J.D.	h	P	m	p	v
	min				
5501	+ 2	− .93	+ 40	1.0	+".028
5508	+ 3	− .96	0	0.8	− 47
5512	+ 2	− .98	+ 20	1.0	− 8
5718	+ 2	+ .97	+ 18	1.0	+ 2
5724	+ 1	+ .94	+ 30	0.8	+ 24
5728	+ 6	+ .91	0	1.0	− 28
5730	− 4	+ .90	+ 34	0.8	+ 34
5734	− 4	+ .87	+ 19	1.0	+ 8
5857	− 9	− .85	+ 25	1.0	+ 43
5874	+ 2	− .96	− 8	1.0	− 17
5878	0	− .98	− 6	1.0	− 11
6083	+ 2	+ .97	0	1.0	+ 15
6088	− 4	+ .94	− 25	1.0	− 30
6102	0	+ .84	− 18	0.7	− 17
6104	− 8	+ .83	− 15	1.0	− 11
6225	+ 6	− .88	− 19	1.0	+ 8
6236	+ 1	− .95	0	1.0	+ 43
6238	+ 2	− .96	− 44	1.0	− 38

(245) ξ[I] Sgtr 18h 51m.4 −20°47'

J.D.	h	P	m	p	v
	min				
5008	+ 2	+ .83	+ 43	0.7	+".068
5500	+ 5	− .92	+ 21	0.8	+ 8
5509	+ 1	− .96	− 7	0.8	− 45
5514	+ 6	− .98	− 20	0.7	− 70
5726	+ 2	+ .93	+ 14	1.0	+ 13
5731	0	+ .89	+ 19	0.8	+ 23
5738	− 9	+ .84	− 6	1.0	− 24
5857	0	− .84	− 3	1.0	− 38
5869	+ 4	− .93	+ 58	0.7	+ 77
5878	+ 3	− .98	+ 32	0.8	+ 28
6085	+ 1	+ .96	− 10	0.8	− 32
6095	+ 3	+ .90	0	0.8	− 13
6098	+ 5	+ .88	− 19	1.0	− 49
6104	+ 1	+ .83	+ 6	0.8	− 2
6236	+ 6	− .94	+ 17	0.8	0
6239	+ 4	− .96	+ 41	0.8	+ 45
6241	+ 4	− .97	+ 18	0.8	+ 2
6456	− 2	+ .93	+ 29	0.8	+ 41

(246) η Scut 18h 51m.7 −5°58'

J.D.	h (min)	P	m	p	v
4619	+ 4	+ .98	− 40	1.0	−".032
4622	+ 4	+ .97	− 34	1.0	− 21
4626	+ 2	+ .95	− 20	1.0	+ 6
4628	− 3	+ .94	− 48	1.0	− 47
4634	+ 7	+ .90	− 1	0.8	+ 41
4764	+ 5	− .88	− 54	0.8	− 8
4774	+ 3	− .94	− 50	0.7	0
4785	+ 6	− .99	− 49	1.0	+ 2
4990	+ 3	+ .95	+ 16	0.8	+ 13
4998	+ 5	+ .91	+ 45	1.0	+ 68
5004	− 2	+ .87	+ 40	0.8	+ 58
5133	+ 5	− .90	− 38	0.7	− 39
5134	− 1	− .91	+ 2	1.0	+ 36
5140	+ 6	− .94	− 39	0.8	− 41
5146	+ 1	− .97	− 2	1.0	+ 28
5354	− 3	+ .96	+ 54	1.0	+ 23
5362	0	+ .92	+ 23	1.0	− 36
5363	0	+ .91	+ 27	1.0	− 28
5376	− 2	+ .81	+ 26	0.8	− 30

(247) BS 7289 19h 9m.1 −45°38'

J.D.	h (min)	P	m	p	v
5010	− 4	+ .85	+ 10	0.6	−".024
5494	+ 5	− .82	+ 16	0.7	+ 30
5500	+ 5	− .88	− 13	1.0	− 26
5502	+ 2	− .90	+ 16	1.0	+ 30
5511	+ 3	− .89	− 44	0.6	− 83
5719	0	+ .98	0	0.8	+ 9
5734	+ 8	+ .90	0	1.0	+ 8
5739	+10	+ .87	+ 21	1.0	+ 49
5862	+ 3	− .85	− 18	1.0	− 8
5868	+ 3	− .90	0	1.0	+ 26
5875	0	− .94	− 6	1.0	+ 13
6083	+ 2	+ .98	− 39	0.7	− 38
6085	+ 5	+ .98	− 7	0.8	+ 23
6093	0	+ .94	− 20	1.0	− 2
6096	+ 3	+ .92	− 34	1.0	− 30
6233	0	− .90	− 35	1.0	− 13
6242	− 2	− .95	− 28	0.8	0

(248) v Micr 20h 27m.0 −44°51'

J.D.	h (min)	P	m	p	v
5032	+ 1	+ .81	− 10	0.7	−".011
5389	+ 4	+ .88	− 6	1.0	+ 2
5390	+ 1	+ .88	0	0.7	+ 13
5509	+ 2	− .76	− 20	1.0	− 19
5524	+ 2	− .89	− 29	1.0	− 38
5532	−10	− .93	− 10	1.0	0
5738	+ 8	+ .96	0	0.5	+ 19
5742	+ 1	+ .94	+ 26	1.0	+ 68
5752	+ 6	+ .89	− 25	1.0	− 28
5753	− 9	+ .88	0	0.6	+ 19
5885	− 1	− .86	− 43	0.6	− 56
5887	+10	− .87	0	0.8	+ 24
5896	0	− .93	− 32	0.8	− 36
5897	+ 1	− .93	+ 19	1.0	+ 60
5899	− 2	− .94	+ 15	0.7	+ 51
6103	− 2	+ .96	− 38	0.7	− 47
6111	− 7	+ .93	− 26	1.0	− 24
6116	− 9	+ .90	− 14	1.0	− 2

(249) 70 Aqil 20h 31m.5 −2°54'

J.D.	h (min)	P	m	p	v
5032	+ 2	+ .82	− 10	1.0	−".030
5035	0	+ .79	+ 21	1.0	+ 28
5162	+ 2	− .90	− 15	0.8	− 26
5389	+ 5	+ .88	+ 24	0.8	+ 9
5390	+ 9	+ .88	+ 7	0.7	− 23
5392	− 6	+ .86	+ 28	1.0	+ 17
5514	0	− .80	+ 12	0.7	0
5522	+ 4	− .87	+ 23	0.8	+ 21
5528	+ 4	− .91	− 20	0.8	− 60
5533	+ 1	− .93	+ 39	0.8	+ 51
5740	+ 2	+ .96	+ 42	0.7	+ 19
5745	− 1	+ .93	+ 54	1.0	+ 41
5753	+ 3	+ .89	+ 29	0.8	− 6
5755	− 6	+ .88	+ 27	0.6	− 9
5893	+ 2	− .90	+ 8	0.7	− 34
5899	− 2	− .93	+ 75	0.7	+ 92
5900	+ 5	− .94	0	1.0	− 49
6116	− 8	+ .90	+ 16	0.8	− 56
6244	− 3	− .80	+ 33	0.8	− 11
6266	+ 4	− .94	+ 52	1.0	+ 24

(250) η Indi 20h 36m.7 −52°17'

J.D.	h (min)	P	m	p	v
5403	−10	+ .78	− 244	1.0	−".045
5508	+ 2	− .73	− 204	1.0	+ 13
5525	+ 2	− .87	− 212	1.0	+ 2
5532	+ 6	− .91	− 195	1.0	+ 36
5742	+ 4	+ .95	− 116	0.8	+ 2
5753	+ 3	+ .90	− 97	0.8	+ 39
5756	+ 2	+ .88	− 105	0.7	+ 23
5757	− 6	+ .87	− 130	1.0	− 23
5899	+ 8	− .92	− 110	0.7	− 9
5903	+ 9	− .94	− 131	0.8	− 47
5904	+ 5	− .94	− 102	1.0	+ 6
6104	+ 1	+ .96	− 8	0.6	+ 11
6111	+ 3	+ .94	− 33	0.6	− 36
6116	− 4	+ .91	0	1.0	+ 28
6249	+ 3	− .82	0	1.0	+ 2
6251	− 7	− .84	0	1.0	+ 4
6265	+ 8	− .92	− 5	1.0	− 4
6269	+ 5	− .94	− 12	0.5	− 15

(251) 24 Capr 21h 1m.3 −25°24'

J.D.	h (min)	P	m	p	v
4675	− 4	+ .80	+ 4	0.8	−".034
4676	− 5	+ .80	+ 40	1.0	+ 34
4678	− 4	+ .78	+ 47	1.0	+ 49
4680	0	+ .76	− 23	1.0	− 85
4791	+ 3	− .78	+ 27	1.0	+ 43
4808	+10	− .91	0	0.7	− 6
5021	+ 5	+ .93	+ 9	1.0	− 2
5025	+ 3	+ .92	+ 19	1.0	+ 17
5175	+ 2	− .91	0	1.0	+ 23
5177	+ 3	− .92	0	1.0	+ 23
5178	+ 7	− .93	− 46	0.6	− 62
5382	+ 5	+ .95	− 5	1.0	− 2
5385	0	+ .93	− 29	0.8	− 47
5392	+ 4	+ .90	0	1.0	+ 8
5543	+ 2	− .92	− 45	1.0	− 34
5545	+ 5	− .93	− 34	0.7	− 15
5755	+ 1	+ .92	− 28	1.0	− 19
5763	0	+ .87	+ 14	1.0	+ 60

(252) 46 Capr 21h 39m.7 -9°32'

J.D.	h	P	m	p	v
	min				
4687	- 7	+ .78	0	1.0	- ".009
4688	- 6	+ .77	- 16	0.8	- 41
4690	+ 3	+ .75	0	1.0	- 8
4691	- 6	+ .74	+ 5	0.8	+ 2
4801	+ 2	- .78	0	1.0	+ 4
5025	- 1	+ .95	0	0.7	+ 36
5176	+ 4	- .85	+ 7	1.0	+ 68
5186	+ 7	- .91	- 21	0.6	+ 15
5404	- 5	+ .88	- 40	1.0	+ 13
5407	- 6	+ .86	- 47	0.7	- 2
5523	+ 9	- .70	- 61	1.0	- 11
5545	+ 7	- .88	- 89	0.8	- 64
5549	0	- .90	- 70	0.8	- 28
5550	- 6	- .90	- 48	0.8	+ 13
5757	+ 4	+ .94	- 68	1.0	+ 8
5759	+ 4	+ .94	- 44	1.0	+ 55
5773	- 3	+ .86	- 103	1.0	- 55

(253) θ PscA 21h 41m.9 -31°22'

J.D.	h	P	m	p	v
	min				
5041	+ 3	+ .87	+ 53	0.6	+ ".008
5042	0	+ .86	+ 65	1.0	+ 28
5410	- 2	+ .85	+ 21	1.0	+ 4
5411	- 2	+ .84	0	1.0	- 38
5525	- 7	- .70	- 19	1.0	- 49
5533	+ 1	- .79	0	0.7	- 13
5552	+ 10	- .91	+ 16	1.0	+ 17
5553	+ 8	- .91	0	0.8	- 15
5757	+ 7	+ .94	0	1.0	+ 15
5758	0	+ .94	- 3	0.7	+ 9
5765	+ 4	+ .91	- 7	0.8	0
5896	+ 3	- .77	+ 19	0.8	+ 77
5906	0	- .85	- 19	1.0	+ 4
5914	0	- .89	- 38	0.7	- 30
5915	+ 2	- .90	- 18	1.0	+ 8
6120	+ 4	+ .95	- 57	1.0	- 38
6131	+ 7	+ .90	- 21	0.6	+ 32

(254) μ^{I} Grus 22h 9m.6 -41°51'

J.D.	h	P	m	p	v
	min				
4669	+ 1	+ .93	- 64	0.6	- ".070
4683	+ 10	+ .87	- 24	0.8	+ 6
4688	+ 11	+ .83	- 34	0.8	- 13
4692	+ 5	+ .80	- 28	0.8	- 2
4697	+ 1	+ .76	- 23	0.7	+ 8
4804	+ 4	- .73	- 15	1.0	+ 23
5176	+ 4	- .78	+ 30	1.0	+ 79
5187	+ 3	- .86	- 22	1.0	- 19
5416	- 7	+ .85	+ 2	1.0	0
5543	+ 8	- .80	+ 4	0.8	+ 2
5550	0	- .85	0	1.0	- 6
5552	+ 3	- .86	- 12	0.8	- 28
5773	+ 9	+ .90	+ 14	0.7	- 4
5904	- 6	- .76	- 24	1.0	- 77
5906	+ 6	- .78	+ 53	1.0	+ 68
5920	+ 1	- .87	- 1	0.8	- 34
5921	0	- .88	+ 10	0.8	- 13
6139	+ 5	+ .90	+ 27	0.6	- 8
6142	- 10	+ .88	+ 37	0.8	+ 11
6145	- 8	+ .85	+ 52	0.8	+ 39

(255) 86 Aqar 23h 1m.3 -24°17'

J.D.	h	P	m	p	v
	min				
4687	- 3	+ .90	- 48	0.7	- ".028
4691	0	+ .89	- 36	1.0	- 6
4692	- 5	+ .89	- 25	0.7	+ 15
4704	+ 4	+ .81	- 21	0.8	+ 23
4821	- 4	- .75	- 34	0.8	+ 28
4829	- 5	- .81	- 33	1.0	+ 30
5049	+ 3	+ .92	0	0.8	- 13
5059	0	+ .88	- 13	0.8	- 38
5186	+ 5	- .74	- 17	0.8	- 13
5196	+ 1	- .82	- 34	1.0	- 45
5199	0	- .85	0	1.0	+ 19
5410	- 4	+ .93	+ 45	1.0	0
5413	- 2	+ .92	+ 50	1.0	+ 9
5545	+ 2	- .68	+ 35	0.6	+ 11
5553	+ 3	- .75	+ 6	1.0	- 43
5567	+ 6	- .86	+ 58	0.8	+ 55
5568	+ 9	- .87	+ 15	0.8	- 26
5774	0	+ .93	+ 77	0.8	- 13
5776	0	+ .93	+ 96	0.8	+ 23
5784	- 3	+ .90	+ 99	1.0	+ 28

(256) 27 Pisc 23h 53m.6 -4°7'

J.D.	h	P	m	p	v
	min				
4706	- 2	+ .88	+ 62	1.0	+ ".021
4710	0	+ .86	+ 32	1.0	- 36
4711	- 3	+ .86	+ 54	1.0	+ 6
4714	- 6	+ .84	+ 53	1.0	+ 4
4829	+ 2	- .68	+ 21	1.0	- 13
4840	+ 1	- .78	0	1.0	- 53
4848	- 1	- .84	+ 45	1.0	+ 32
5058	- 1	+ .93	+ 9	1.0	- 15
5063	+ 1	+ .92	+ 46	1.0	+ 55
5199	- 1	- .72	+ 8	1.0	+ 30
5206	- 2	- .78	- 9	1.0	- 2
5212	+ 2	- .83	0	1.0	+ 15
5214	+ 2	- .84	- 14	0.8	- 11
5215	+ 1	- .85	- 13	0.8	- 9
5434	+ 6	+ .90	- 5	1.0	+ 26
5439	+ 6	+ .87	- 42	1.0	- 43
5452	0	+ .77	- 32	0.8	- 24

(257) ω Pisc 23h 54m.2 +6°19'

J.D.	h	P	m	p	v
	min				
4727	+ 3	+ .73	- 90	1.0	- ".055
4730	+ 4	+ .71	- 56	0.8	+ 9
4734	+ 1	+ .66	- 81	0.8	- 38
4834	+ 3	- .72	- 49	1.0	+ 19
4848	+ 4	- .84	- 53	0.8	+ 11
4849	- 1	- .84	- 52	0.6	+ 13
5059	+ 5	+ .93	+ 30	1.0	+ 70
5068	- 2	+ .90	+ 16	0.7	+ 43
5070	0	+ .89	0	0.8	+ 13
5199	+ 4	- .72	- 11	1.0	- 17
5206	+ 3	- .78	0	0.6	+ 4
5207	+ 2	- .79	- 8	1.0	- 11
5215	+ 4	- .85	0	0.8	+ 4
5440	+ 4	+ .87	+ 42	0.7	- 19
5452	+ 5	+ .77	+ 32	0.6	- 38
5458	+ 2	+ .73	+ 37	0.6	- 28
5460	+ 1	+ .71	+ 62	0.7	+ 19

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M Spect.	Total μ	Relative Parallax ± p.e.		p.e.I	μ_α from Plates
		h m				″	″	″	″	″
258	β Hydi	0 20.5	-77°49'	16	2.90 Go	2.243	+.146 ±	.007	±.021	+2.227
259	β^1 Tucn	0 27.0	-63 31	50	4.52 B9	.106	+.028	8	26	+.055
260	β^2 Tucn	0 27.0	-63 31	50	4.48 A2	.111	+.035	7	23	+.072
261	β Phoe	1 1.6	-47 15	324	3.35 Ko	.043	+.017	9	26	-.035
262	37 Ceti	1 9.4	- 8 28	216	5.21 Fo	.295	+.049	4	14	+.075
263	ν Pisc	1 36.2	+ 4 59	293	4.68 Ko	.018	+.002	8	24	-.044
264	τ Ceti	1 39.4	-16 28	295	3.65 Ko	1.920	+.277	11	34	-1.734
265	ξ^2 Ceti	2 22.8	+ 8 1	- 388	4.34 Ao	.042	+.028	10	30	+.015
266	ν Ceti	2 30.6	+ 5 9	- 418	5.02 G5	.042	-.005	6	19	+.016
267	4 Erid	2 52.9	-24 16	1336	5.41 A5	.103	+.023	9	29	+.112
268	α Ceti	2 57.1	+ 3 42	419	2.82 Ma	.082	-.006	7	20	-.012
269	BS 1008	3 15.9	-43 27	1028	4.30 G5	3.165	+.162	8	25	+3.022
270	BS 1189	3 44.9	-37 56	- 1297	5.42 Ao	.083	+.024	4	13	+.065
271	BS 1190	3 44.9	-37 56	- 1297	4.86 B8	.086	+.013	6	17	+.088
272	o^1 Erid	4 7.0	- 7 6	764	4.14 F2	.081	+.030	9	26	+.001
273	BS 1982	5 40.3	-22 27	1210	6.41 G5	.458	+.094	6	17	-.308
274	γ Leps	5 40.3	-22 29	1211	3.80 F8	.466	+.117	7	22	-.278
275	δ Leps	5 47.0	-20 53	1211	3.90 Ko	.697	+.013	5	15	+.203
276	BS 2157	6 1.6	-45 2	2300	6.22 F8	.243	+.034	7	24	-.63
277	BS 2158	6 1.8	-45 5	2302	5.82 F5	.255	+.032	7	24	-.62
278	α CMaj	6 40.7	-16 35	1591	-1.6 Ao	1.315	+.387	6	19	-.374
279	BS 2667	7 0.9	-43 28	2906	5.80 Go	.389	+.035	6	20	-.128
280	BS 2668	7 0.9	-43 28	2906	6.92 Go	.380	+.046	11	28	-.120
281	BS 2950	7 34.8	+ 5 28	1742	5.81 Ao	.029	+.010	7	23	-.034
282	BS 3145	7 57.1	+ 2 37	1854	4.52 Ko	.106	+.011	7	23	-.020
283	ρ Pupp	8 3.3	-24 1	+ 6828	2.88 F5	.097	+.022	10	32	-.081
284	BS 3384	8 29.0	-31 11	6229	6.36 G5	1.343	+.096	7	23	-1.141
285	γ Cham	10 34.3	-78 5	+ 622	4.10 Ma	.044	+.004	9	25	-.040
286	BS 4177	10 34.9	-58 40	2460	4.73 *	.013	+.011	7	23	-.004
287	BS 4652	12 8.8	-45 10	7630	5.29 Ko	.051	+.008	8	26	-.023
288	Compn	12 8.8	-45 10		7.1	.051	-.003	8	21	-.013
289	δ Virg	12 50.6	+ 3 56	+ 2669	3.66 Ma	.476	+.024	7	23	-.440
290		13 12.8	-17 47	3811	9.2 Go		+.012	6	20	-.131
291	61 Virg	13 13.2	-17 45	3813	4.80 G5	1.528	+.127	7	21	-1.059
292	BS 5568	14 51.6	-20 58	4125	5.76 K5	2.038	+.176	6	21	+1.036
293	5 Serp	15 14.2	+ 2 9	2944	5.18 Go	.644	+.048	8	27	+.378
294	ξ Lupi	15 50.5	-33 40	10826	5.37 Ao	.056	+.026	6	17	+.019
295	ξ Lupi	15 50.5	-33 40	10826	5.73 Ao	.056	+.017	5	14	+.019
296	α Scor	16 23.3	-26 13	11359	1.22 Ma	.032	+.027	9	33	.000
297	12 Ophi	16 31.1	- 2 7	+ 3220	5.87 Ko	.549	+.104	5	18	+.468
298	36 Ophi	17 9.2	-26 27	12026	5.33 Ko	1.236	+.187	6	20	-.464
299	36 Ophi	17 9.2	-26 27	12026	5.29 Ko	1.225	+.184	7	23	-.508
300	PGC 4372	17 10.1	-26 24	12036	6.66 K2	1.224	+.165	6	21	-.464
301	72 Ophi	18 2.6	+ 9 33	3564	3.73 A3	.100	+.047	5	18	-.073
302	ζ Sgtr	18 56.3	-30 1	16575	2.71 A2	.019	+.023	7	24	-.026
303	λ Aqil	19 0.9	- 5 2	4876	3.55 B9	.094	+.022	7	22	-.013
304	μ Aqil	19 29.2	+ 7 10	4132	4.65 Ko	.266	+.053	6	20	+.171
305	α Aqil	19 45.9	+ 8 36	4236	0.89 A5	.659	+.217	9	30	+.544

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
258	- 30	+ 27	.327	- 13	- 30	.385	+ 51	+ 10	.288				12.0	5200	*
259	- 30	+ 45	.350	- 14	- 61	.305	+ 41	+ 35	.185	+ 46	- 29	.160	11.2	5300	+ .1300
260	- 30	+ 47	.350	- 14	- 59	.305	+ 41	+ 37	.185	+ 46	- 27	.160	11.3	5300	- 1200
261	- 28	- 6	.289	- 20	- 6	.293	+ 27	- 6	.326	+ 57	+ 58	.092	12.4	4900	0
262	- 31	- 74	.199	- 22	+ 60	.332	+ 20	- 2	.248	+ 39	- 21	.221	10.5	5200	0
263	- 69	+ 52	.317	+ 4	- 45	.288	+ 44	- 45	.239	+ 64	+ 48	.156	10.7	5500	+ 400
264	- 80	- 64	.214	- 71	+ 38	.173	+ 33	+ 54	.268	+ 60	- 21	.345	12.6	5050	*
265	- 34	- 35	.415	+ 21	- 34	.212	+ 26	+ 58	.373				11.8	5100	- 400
266	- 61	- 26	.136	- 39	+ 32	.316	+ 22	- 2	.286	+ 55	- 23	.262	10.8	5300	- 285
267	- 31	- 51	.361	- 27	+ 44	.295	+ 55	+ 16	.344				10.4	5050	- 400
268	- 51	- 18	.176	- 25	+ 23	.241	+ 12	- 42	.254	+ 37	+ 26	.329	11.6	5100	+ 1800
269	- 88	+ 24	.235	- 57	- 7	.150	+ 24	- 45	.251	+ 62	+ 18	.364	11.8	5100.5	*
270	- 33	+ 19	.165	- 12	- 17	.180	+ 2	- 56	.349	+ 23	+ 63	.306	12.0	4900	+ 900
271	- 33	+ 19	.165	- 12	- 17	.180	+ 2	- 56	.349	+ 23	+ 63	.306	12.0	4900	- 1000
272	- 35	+ 14	.185	- 10	- 14	.435	+ 22	- 10	.270	+ 43	+ 56	.110	12.0	5100	0
273	- 70	+ 2	.203	- 15	- 20	.252	+ 30	+ 29	.243	+ 36	- 8	.302	10.3	5175	0
274	- 71	+ 7	.154	- 16	- 15	.346	+ 29	+ 34	.154	+ 35	- 3	.346	10.3	5200	+ 200
275	- 45	+ 9	.390	+ 11	- 40	.270	+ 40	- 28	.138	+ 46	+ 56	.202	11.6	5300	0
276	- 48	- 61	.296	- 19	+ 58	.265	+ 23	+ 58	.217	+ 65	- 45	.222	10.8	5900	0
277	- 55	- 53	.288	- 26	+ 67	.209	+ 16	+ 67	.193	+ 58	- 37	.310	10.8	5900	0
278	- 50	+ 28	.190	- 10	- 25	.381	+ 28	+ 2	.269	+ 35	+ 23	.160	11.0	6400	*
279	- 52	- 26	.389	- 28	+ 49	.185	+ 44	+ 74	.135	+ 66	- 30	.291	11.2	6150	- 850
280	- 32	+ 19	.156	- 29	- 15	.314	+ 24	- 8	.354	+ 30	+ 20	.176	12.3	6100	+ 250
281	- 7	+ 1	.300	- 4	+ 54	.300	- 2	- 40	.200	+ 19	- 41	.200	11.0	6400	- 650
282	- 69	+ 58	.250	- 20	- 51	.265	+ 30	+ 59	.231	+ 61	- 57	.254	10.7	5000	- 300
283	- 80	+ 22	.137	- 21	- 64	.122	+ 12	- 41	.352	+ 24	+ 50	.389	10.8	4950	0
284	- 63	+ 24	.292	- 34	- 46	.255	+ 57	+ 26	.237	+ 63	- 6	.216	10.9	5700	+ 350
285	- 96	+ 44	.210	- 43	- 69	.179	+ 29	+ 38	.357	+ 68	- 41	.254	10.8	5150	0
286	- 28	- 23	.248	- 25	+ 15	.314	+ 31	- 40	.192	+ 36	+ 36	.246	9.9	5200	- 300
287	- 40	- 49	.224	- 32	+ 17	.370	+ 36	+ 43	.248	+ 75	- 40	.158	10.3	5300	- 600
288	- 52	- 8	.286	- 18	- 20	.125	+ 27	+ 36	.420	+ 34	- 62	.169	11.5	5400	0
289	- 86	- 53	.084	- 73	+ 51	.255	+ 33	- 1	.338	+ 46	- 25	.323	11.0	6000	*
290	- 54	- 51	.319	- 47	+ 80	.247	+ 62	+ 32	.184	+ 69	- 39	.250	10.4	4900	0
291	- 70	- 57	.209	- 63	+ 74	.219	+ 46	+ 26	.302	+ 53	- 45	.270	10.4	4900.5	*
292	- 56	+ 27	.250	- 52	- 2	.132	- 4	- 35	.213	+ 53	+ 3	.405	11.4	5000	*
293	- 89	- 74	.146	- 57	+ 53	.171	+ 20	+ 50	.363	+ 49	- 52	.320	12.5	5350	*
294	- 67	+ 54	.147	- 55	- 19	.334	+ 54	- 23	.352	+ 55	+ 41	.167	11.6	5400	+ 1900
295	- 67	+ 54	.147	- 56	- 19	.334	+ 54	- 24	.352	+ 55	+ 40	.167	11.6	5400	- 2200
296	- 62	- 39	.232	- 23	+ 45	.318	+ 35	- 24	.190	+ 40	- 2	.260	10.6	4900	- 350
297	- 44	+ 56	.377	- 26	+ 10	.139	+ 32	- 66	.100	+ 44	- 42	.384	11.1	5000	- 1500
298	- 63	+ 42	.269	- 51	- 51	.192	+ 17	- 38	.223	+ 72	+ 21	.316	12.0	4950	0
299	- 63	+ 42	.269	- 51	- 51	.192	+ 17	- 38	.223	+ 72	+ 21	.316	12.0	4950	0
300	- 34	+ 57	.219	- 20	- 48	.358	+ 35	+ 11	.423				11.6	4950	- 300
301	- 51	+ 29	.244	- 40	- 42	.277	+ 31	+ 44	.226	+ 66	- 21	.253	11.0	5500	+ 700
302	- 60	- 37	.420	+ 40	+ 50	.365	+ 50	- 13	.215				10.0	5000	+ 500
303	- 27	+ 33	.347	- 18	- 40	.350	+ 50	+ 24	.154	+ 53	- 8	.149	10.5	5100	- 200
304	- 80	- 4	.314	+ 36	- 39	.247	+ 37	+ 20	.439				10.2	5000	0
305	- 76	+ 34	.268	- 5	- 62	.377	+ 63	+ 41	.355				11.0	5100	0

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
258	13.8	− 3.25	238.6	+0.42	+ 1.73	9.55	9.53	+ .0043	+ .1072	+ .0750	+ .00017	+ .03279	+ .00778
259	16.1	+ 4.04	241.1	+2.52	−10.63	11.56	10.64	+ 119	+ 1781	+ 97	+ 30	+ 80	+ 150
260	16.1	+ 4.04	241.1	+2.52	−10.63	11.56	10.64	+ 473	+ 2426	+ 162	+ 239	+ 105	+ 184
261	13.0	+ 0.13	86.9	+0.46	+ 2.11	8.63	8.56	+ 605	− 415	+ 86	+ 463	− 51	+ 88
262	16.4	+ 1.84	178.4	+4.28	+ 0.98	11.98	10.86	+ 1610	+ 2126	+ 707	+ 902	+ 108	+ 260
263	12.7	− 2.30	400.7	+1.01	−15.48	9.00	8.34	+ 128	− 2581	+ 115	+ 88	− 64	+ 8
264	14.0	+ 0.66	193.1	+1.44	− 9.12	10.09	9.50	+ 30	− 317	− 104	+ 36	− 2545	+ 1344
265	13.9	− 3.51	154.0	+2.64	+ 2.91	9.96	9.38	+ 158	+ 357	+ 179	+ 91	+ 22	+ 149
266	15.0	− 2.97	206.0	+3.25	− 2.38	11.39	10.68	− 9	+ 497	− 33	+ 4	+ 24	− 25
267	13.6	− 1.07	148.2	+1.20	− 3.20	9.22	9.04	+ 160	+ 2381	+ 74	+ 120	+ 164	+ 122
268	14.5	− 2.68	152.5	+2.72	+ 1.69	9.79	9.25	− 18	− 272	− 37	− 10	− 18	− 32
269	13.9	− 0.63	229.1	+1.92	+ 2.58	9.76	9.46	+ 142	+ 139	+ 836	− 16	+ 4396	+ 860
270	13.2	+ 0.48	91.3	−0.76	+ 4.04	9.12	8.90	− 357	+ 899	+ 173	− 267	+ 94	+ 125
271	13.2	+ 0.48	91.3	−0.76	+ 4.04	9.12	8.90	+ 686	+ 1222	+ 75	+ 519	+ 128	+ 70
272	12.3	+ 3.69	81.7	+2.62	+ 2.67	8.68	8.08	− 129	+ 8	+ 101	− 139	+ 2	+ 157
273	14.5	− 0.31	105.7	+3.64	+ 3.02	10.13	9.13	+ 634	− 4592	+ 479	+ 303	− 448	+ 497
274	15.5	−10.20	109.2	+3.39	+ 2.56	10.91	9.95	+ 152	− 3948	+ 470	− 303	− 404	+ 620
275	14.2	+ 1.57	265.9	+1.72	− 1.46	10.08	9.86	− 561	+ 7770	− 47	− 436	+ 295	+ 71
276	16.5	+ 1.63	150.7	−0.86	− 5.87	11.42	11.16	− 1060	− 1592	+ 315	− 624	− 92	+ 182
277	17.5	− 0.34	170.9	−0.21	− 1.18	12.09	12.08	− 1462	− 1530	+ 235	− 835	− 90	+ 171
278	17.0	+ 1.74	141.2	−4.07	+ 1.85	10.95	9.94	− 25	− 605	+ 54	+ 4	− 544	+ 2058
279	16.7	− 1.68	280.8	−1.33	+ 3.22	11.12	10.98	+ 25	− 5157	+ 148	+ 11	− 186	+ 188
280	11.1	− 3.24	169.8	−2.98	− 2.35	7.95	7.09	+ 13	− 3042	+ 230	+ 27	− 175	+ 247
281	16.2	+ 5.97	119.2	−2.35	+ 0.15	11.70	11.35	+ 60	− 550	+ 47	+ 63	− 49	+ 54
282	15.1	+ 4.37	103.7	−4.75	+ 1.30	11.04	9.48	+ 646	− 100	− 153	+ 455	− 30	+ 60
283	14.0	+ 1.59	121.3	−0.69	+ 1.33	9.69	9.64	− 1728	− 1600	+ 180	− 1215	− 117	+ 115
284	16.0	+ 6.21	108.9	−3.71	+ 2.45	11.85	10.85	− 850	−1.7811	+ 113	+ 231	− 1660	+ 511
285	14.5	− 1.13	248.2	−5.08	+ 4.62	10.42	8.57	+ 439	− 1479	− 160	+ 306	− 59	+ 22
286	15.4	− 1.14	244.0	−4.32	+ 1.74	11.28	10.06	+ 323	− 152	− 32	+ 226	− 6	+ 60
287	15.3	+ 3.63	212.9	−2.62	+ 7.72	10.70	9.92	+ 402	− 568	− 51	+ 278	− 33	+ 44
288	11.9	− 9.66	182.5	−3.26	+11.47	8.59	7.25	+ 68	− 396	− 46	+ 38	− 19	− 14
289	16.3	− 4.54	590.6	−2.00	+10.80	11.56	11.13	− 217	+ 774	+ 183	− 115	− 640	+ 129
290	14.1	+ 1.70	83.1	−0.41	+ 3.61	9.41	9.24	+ 272	− 1519	− 16	+ 218	− 190	+ 66
291	14.1	+ 1.70	83.1	−0.41	+ 3.61	9.41	9.24	− 478	− 151	+ 633	− 314	− 1582	+ 674
292	15.1	+ 1.47	268.2	−0.49	+ 3.18	10.88	10.82	− 25	+ 477	+ 1018	+ 13	+ 1507	+ 934
293	15.2	− 0.81	343.2	−1.82	+ 0.35	10.81	10.59	+ 503	− 374	+ 208	+ 360	+ 550	+ 253
294	12.9	− 4.76	229.4	−1.95	+ 4.54	9.77	9.42	− 169	+ 737	+ 169	− 100	+ 27	+ 140
295	12.9	− 4.76	229.4	−1.95	+ 4.54	9.77	9.42	+ 982	+ 311	− 53	+ 785	+ 28	+ 89
296	17.3	+ 8.33	118.2	−1.58	+ 2.27	13.27	13.05	− 2	+ 50	+ 190	+ 12	+ 1	+ 145
297	16.1	−10.31	118.4	+1.90	+ 3.82	12.04	11.59	+ 558	+ 7525	+ 1058	+ 717	+ 680	+ 550
298	15.0	− 2.06	105.6	+2.15	+ 3.12	12.01	11.59	+ 1140	− 6924	+ 1094	+ 525	− 674	+ 992
299	15.0	− 2.06	105.6	+2.15	+ 3.12	12.01	11.59	+ 471	− 7512	+ 958	+ 73	− 739	+ 977
300	14.3	+ 0.94	95.7	+0.48	+ 3.73	11.18	11.02	− 879	− 6185	+ 698	− 600	− 675	+ 876
301	14.7	+13.08	211.1	+1.55	+ 5.98	12.42	12.15	− 392	− 2357	+ 216	− 199	− 106	+ 249
302	13.8	− 4.03	100.9	+2.02	+ 0.83	11.69	11.37	− 164	− 307	+ 107	− 147	− 37	+ 120
303	13.0	+ 5.23	196.1	+0.96	− 5.78	10.74	10.47	+ 376	− 290	+ 162	+ 288	− 19	+ 115
304	15.3	− 3.86	117.2	+1.69	+ 0.76	12.63	12.43	+ 1367	+ 2574	+ 534	+ 925	+ 248	+ 284
305	14.7	− 4.76	221.5	+0.32	− 0.53	12.28	12.27	+ 1903	+1.6730	+ 1422	+ 1525	+ 791	+ 1153

(258) β Hydi 0h 20.5m −77°49'

J.D.	h (min)	P	m	p	v
4486	+ 3	− .82	−120	1.0	−".056
4699	+ 7	+ .93	+ 54	0.8	0
4716	+ 1	+ .88	+ 57	0.7	+ 13
4717	− 8	+ .88	+ 67	0.6	+ 30
4726	− 3	+ .82	+ 44	0.6	− 6
4844	− 3	− .75	− 49	0.7	+ 41
4850	+ 1	− .80	− 30	0.6	+ 83
5082	0	+ .88	+ 53	0.6	− 23
5106	+ 4	+ .68	+ 61	0.6	+ 21
5213	+ 1	− .78	− 98	0.7	− 75
5215	+ 7	− .80	− 52	0.8	+ 13
5217	+ 4	− .81	− 69	0.8	− 15
5441	− 1	+ .90	+ 79	0.6	− 4
5453	+ 4	+ .84	+ 86	0.5	+ 17
5570	+ 1	− .70	− 35	0.6	+ 6
5576	0	− .76	− 32	0.5	+ 19
5581	+11	− .80	− 51	0.7	− 11
5583	+ 8	− .82	− 26	0.6	+ 41
5795	+ 7	+ .93	+ 68	0.7	− 55
5804	+10	+ .91	+107	0.5	+ 19
5806	− 2	+ .90	+100	0.6	+ 9

(259) β¹ Tucn 0h 27.0m −63°31'

J.D.	h (min)	P	m	p	v
4713	+ 5	+ .90	− 19	0.9	+".021
4714	0	+ .89	− 70	1.0	− 73
4715	+ 3	+ .89	− 29	1.0	+ 4
4716	− 4	+ .88	− 18	0.9	+ 24
5199	+ 5	− .64	+ 14	0.9	+ 55
5213	0	− .77	− 35	1.0	− 36
5217	+ 9	− .80	− 29	0.6	− 24
5222	+ 3	− .83	+ 46	0.6	+ 115
5439	+ 3	+ .91	+ 36	0.9	+ 15
5440	0	+ .91	+ 31	0.8	+ 6
5451	+ 3	+ .86	+ 32	0.5	+ 8
5570	+ 1	− .69	− 23	0.8	− 71
5581	+10	− .79	+ 18	0.6	+ 9
5582	+ 3	− .80	+ 8	1.0	− 11
5583	+ 6	− .81	+ 10	1.0	− 8
5586	+ 1	− .82	+ 16	0.7	+ 4
5790	− 1	+ .94	+ 55	0.6	0
5794	+ 7	+ .93	+ 76	0.7	+ 38
5798	0	+ .93	+ 62	0.8	+ 11
5804	+ 6	+ .91	+ 39	0.8	− 34

(260) β² Tucn 0h 27.0m −63°31'

J.D.	h (min)	P	m	p	v
4713	+ 5	+ .90	− 31	0.9	−".021
4714	0	+ .89	− 52	1.0	− 58
4715	+ 3	+ .89	− 10	1.0	+ 21
4716	− 4	+ .88	− 7	0.9	+ 26
5199	+ 5	− .64	+ 25	0.9	+ 45
5213	0	− .77	+ 1	1.0	0
5217	+ 9	− .80	+ 3	0.6	+ 6
5222	+ 3	− .83	+ 19	0.6	+ 36
5439	+ 3	+ .91	+ 77	0.9	+ 41
5440	0	+ .91	+ 48	0.8	− 15
5451	+ 3	+ .86	+ 59	0.5	+ 6
5570	+ 1	− .69	− 18	0.8	− 107
5581	+10	− .79	+ 47	0.6	+ 17
5582	+ 3	− .80	+ 35	1.0	− 6
5583	+ 6	− .81	+ 42	1.0	+ 6
5586	+ 1	− .82	+ 48	0.7	+ 17
5790	− 1	+ .94	+ 89	0.6	− 6
5794	+ 7	+ .93	+101	0.7	+ 15
5798	0	+ .93	+ 80	0.8	− 24
5804	+ 6	+ .91	+104	0.8	+ 19

(261) β Phoe 1h 1.6m −47°15'

J.D.	h (min)	P	m	p	v
4484	+ 5	− .69	+ 56	0.6	−".009
4485	+ 6	− .71	+107	0.6	+ 86
4495	− 4	− .80	+ 5	0.5	− 103
4496	− 2	− .81	+ 82	0.5	+ 43
4704	− 2	+ .94	+ 33	0.6	− 60
4705	− 2	+ .94	+ 63	0.5	− 4
4711	− 5	+ .94	+ 56	0.8	− 15
4713	0	+ .94	+ 84	0.7	+ 39
4844	− 4	− .64	+ 42	0.5	− 4
4849	− 5	− .70	+ 33	0.9	− 19
4850	− 2	− .71	+ 52	0.6	+ 17
5071	− 2	+ .94	+ 36	0.7	− 19
5081	0	+ .93	+ 36	0.8	− 17
5084	− 1	+ .92	+ 52	0.7	+ 13
5094	− 5	+ .87	+ 82	0.6	+ 70
5105	− 3	+ .79	+ 40	0.6	− 6
5206	0	− .61	0	0.5	− 49
5214	+ 4	− .70	+ 55	1.0	+ 56
5217	− 3	− .72	+ 3	0.6	− 39
5225	+ 4	− .80	+ 9	0.7	− 26

(262) 37 Ceti 1h 9.4m −8°28'

J.D.	h (min)	P	m	p	v
4727	+ 4	+ .89	+ 75	0.9	+".024
4730	− 7	+ .88	+ 63	0.6	+ 2
4734	− 5	+ .85	+ 45	0.6	− 30
4735	− 2	+ .84	+ 62	0.7	+ 2
4866	+ 2	− .82	+ 57	0.6	+ 43
4867	+ 8	− .83	+ 30	0.8	− 4
5068	− 6	+ .94	+ 87	0.7	− 26
5070	− 6	+ .94	+ 89	1.0	− 21
5076	− 7	+ .94	+109	0.9	+ 15
5212	− 4	− .65	+ 61	0.9	− 24
5217	− 3	− .71	+ 88	0.8	+ 24
5221	+ 1	− .75	+ 65	0.8	− 13
5227	+ 1	− .80	+ 77	0.6	+ 9
5229	+ 3	− .81	+ 68	0.6	− 8
5439	+ 3	+ .94	+143	0.8	+ 6
5451	+ 6	+ .92	+167	0.6	+ 49
5452	− 1	+ .91	+146	0.8	+ 9
5460	− 1	+ .88	+118	0.8	− 43
5581	+ 3	− .69	+124	0.6	+ 21
5591	+ 5	− .79	+ 99	0.7	− 24
5804	− 1	+ .94	+189	1.0	+ 17
5806	0	+ .94	+178	0.6	− 4

(263) ν Pisc 1h 36.2m +4°59'

J.D.	h (min)	P	m	p	v
4737	0	+ .88	+ 36	0.8	−".043
4741	− 1	+ .86	+ 60	0.9	+ 4
4744	− 3	+ .84	+ 85	0.7	+ 51
4746	+ 4	+ .83	+ 56	0.9	0
4866	+ 1	− .78	+ 28	0.8	− 36
5091	− 2	+ .94	+ 71	0.5	+ 66
5229	+ 6	− .76	− 3	0.6	− 53
5586	+ 5	− .67	+ 21	0.7	+ 32
5593	+ 5	− .75	+ 39	0.5	+ 70
5600	+ 4	− .81	− 7	0.6	− 17
5816	+ 6	+ .95	− 20	0.7	− 19
5961	0	− .77	+ 16	1.0	+ 68
5966	+ 1	− .81	− 33	0.5	− 21
5967	+ 4	− .82	− 50	0.9	− 53
5968	+ 4	− .82	− 18	0.6	+ 9
6176	+ 4	+ .95	− 63	0.4	− 55
6179	+ 7	+ .95	− 38	0.5	− 9
6181	+ 5	+ .95	− 23	0.6	+ 19
6187	+ 2	+ .93	− 48	0.5	− 26

(264) τ Ceti $1^h 39^m.4$ −16°28'

J.D.	h	P	m	p	v
	min				
4495	+ 4	− .72	0	0.6	− ".049
4497	0	− .74	+ 30	0.6	+ 9
4504	+ 7	− .80	+ 107	0.5	+ 152
4714	+ 2	+ .95	− 11	1.0	− 19
4716	− 1	+ .95	− 5	0.9	− 9
4724	− 1	+ .94	+ 6	0.6	+ 15
4725	− 3	+ .94	+ 9	1.0	+ 19
4866	+ 4	− .77	+ 20	0.8	+ 6
5081	+ 5	+ .95	− 19	0.8	− 19
5084	+ 1	+ .95	− 34	0.7	− 45
5091	+ 4	+ .94	− 3	0.6	+ 11
5221	+ 4	− .67	− 26	0.8	− 64
5225	+ 5	− .71	+ 20	0.6	+ 21
5227	+ 8	− .73	− 58	0.7	− 124
5451	+ 2	+ .95	+ 7	0.7	+ 45
5452	+ 5	+ .94	− 9	0.7	+ 17
5591	+ 7	− .72	0	0.8	− 2
5592	+ 6	− .72	− 10	0.8	− 19
5600	+ 9	− .80	+ 55	0.8	+ 100

(265) ξ^2 Ceti $2^h 22^m.8$ +8°1'

J.D.	h	P	m	p	v
	min				
4504	+ 3	− .70	− 70	0.6	− ".105
4515	+ 4	− .81	− 1	0.7	+ 28
4737	+ 4	+ .95	− 9	0.6	− 45
4741	+ 7	+ .94	+ 19	0.7	+ 8
4744	+ 3	+ .92	+ 44	0.7	+ 55
4756	+ 6	+ .86	+ 21	0.6	+ 13
4876	+ 5	− .77	+ 14	0.6	+ 41
4880	+ 8	− .81	+ 38	0.6	+ 86
4882	+ 7	− .82	− 10	0.7	− 6
5112	+ 8	+ .91	+ 44	1.0	+ 38
5125	+ 1	+ .82	+ 46	0.5	+ 45
5129	+ 4	+ .79	− 25	0.8	− 88
5130	+ 3	+ .79	+ 2	0.8	− 38
5234	+ 6	− .70	− 21	0.6	− 43
5243	+ 4	− .79	− 4	0.8	− 8
5460	+ 1	+ .97	+ 33	0.8	+ 4
5462	+ 4	+ .96	+ 59	0.8	+ 53
5473	+ 2	+ .93	+ 9	0.7	− 41
5600	+ 2	− .70	− 8	0.8	− 34
5612	+ 2	− .82	+ 38	0.5	+ 56

(266) v Ceti $2^h 30^m.6$ +5°9'

J.D.	h	P	m	p	v
	min				
4737	+ 4	+ .96	− 50	0.6	− ".066
4744	+ 1	+ .94	− 19	0.6	− 9
4746	0	+ .92	+ 13	0.8	+ 53
4760	− 4	+ .84	− 28	0.9	− 24
4882	+ 5	− .81	+ 3	0.8	+ 19
4886	+ 1	− .84	− 3	0.4	+ 9
5108	0	+ .94	+ 8	0.9	+ 28
5129	+ 2	+ .81	+ 18	0.6	+ 43
5234	+ 5	− .68	− 16	0.7	− 30
5243	+ 3	− .77	− 14	0.9	− 30
5245	+ 4	− .79	− 17	0.7	− 34
5249	+ 2	− .82	+ 5	0.5	+ 6
5460	0	+ .96	− 12	1.0	− 26
5462	+ 2	+ .97	+ 17	1.0	+ 28
5593	+ 11	− .60	+ 27	0.6	+ 34
5612	+ 9	− .80	+ 6	0.6	− 6
5613	+ 6	− .81	+ 30	0.6	+ 39
5616	+ 8	− .84	+ 18	0.5	+ 15
5824	− 8	+ .96	+ 5	1.0	− 9
5826	− 5	+ .96	− 7	0.7	− 34
5830	− 2	+ .96	+ 17	0.6	+ 9

(267) 4 Erid $2^h 52^m.9$ −24°16'

J.D.	h	P	m	p	v
	min				
4504	+ 5	− .61	− 69	0.6	+ ".030
4506	+ 2	− .65	− 137	0.7	− 98
4741	− 1	+ .97	− 25	0.8	+ 4
4750	+ 1	+ .94	− 22	0.7	+ 8
4760	− 8	+ .89	− 15	1.0	+ 19
4764	+ 3	+ .86	− 33	0.7	− 15
4872	+ 1	− .65	− 14	0.8	+ 21
4880	− 2	− .75	+ 8	0.6	+ 62
4892	+ 6	− .85	− 4	0.7	+ 38
5117	0	+ .93	+ 20	0.6	− 26
5122	− 1	+ .91	+ 57	0.6	+ 41
5140	+ 1	+ .76	+ 15	1.0	− 39
5234	+ 2	− .62	+ 37	0.9	+ 6
5249	+ 4	− .79	− 22	0.6	− 126
5255	− 1	− .83	+ 76	0.6	+ 75
5465	− 2	+ .97	+ 89	0.7	− 6
5477	− 4	+ .95	+ 107	0.7	+ 24
5613	− 1	− .77	+ 101	0.6	+ 11
5615	+ 1	− .79	+ 77	0.7	− 34

(268) α Ceti $2^h 57^m.1$ +3°42'

J.D.	h	P	m	p	v
	min				
4504	+ 10	− .60	+ 34	0.5	+ ".041
4506	+ 6	− .64	+ 3	0.7	− 15
4764	+ 6	+ .87	+ 8	0.7	+ 11
4769	− 2	+ .83	− 15	0.9	− 32
4774	− 7	+ .79	+ 7	0.7	+ 9
4775	+ 7	+ .78	+ 23	0.8	+ 38
4876	0	− .70	− 23	0.6	− 53
4889	+ 8	− .81	+ 9	0.6	+ 6
4891	+ 3	− .84	+ 8	0.6	+ 4
5108	+ 3	+ .97	+ 23	0.8	+ 51
5129	+ 7	+ .88	− 3	0.7	+ 4
5140	+ 5	+ .78	− 21	0.7	− 30
5143	− 3	+ .75	+ 5	0.7	+ 17
5243	0	− .71	− 19	0.8	− 34
5249	+ 8	− .78	− 15	0.6	− 26
5255	+ 6	− .82	0	0.6	+ 2
5475	+ 4	+ .96	− 36	0.8	− 47
5477	+ 7	+ .96	− 21	0.9	− 19
5483	+ 5	+ .93	− 3	0.7	+ 15
5613	+ 1	− .78	+ 40	0.5	+ 88
5616	+ 2	− .80	+ 2	0.6	+ 17

(269) BS 1008 $3^h 15^m.9$ −43°27'

J.D.	h	P	m	p	v
	min				
4504	+ 8	− .54	− 25	0.4	+ ".039
4520	+ 3	− .75	− 44	0.5	+ 39
4522	+ 8	− .77	− 29	0.6	+ 68
4751	+ 8	+ .97	+ 71	0.5	− 21
4757	+ 7	+ .95	+ 91	1.0	+ 19
4770	+ 2	+ .87	+ 75	0.8	0
4775	− 1	+ .83	+ 89	0.6	+ 36
4880	+ 7	− .69	− 73	0.6	− 24
4887	+ 5	− .77	− 85	0.6	− 36
4893	+ 4	− .82	− 117	0.7	− 88
5123	+ 8	+ .94	+ 107	0.5	+ 53
5128	+ 6	+ .92	+ 78	0.8	0
5131	+ 3	+ .91	+ 72	1.0	− 8
5146	+ 6	+ .78	+ 48	0.7	− 32
5244	+ 5	− .67	− 60	0.9	0
5253	+ 6	− .78	− 100	0.5	− 56
5490	+ 6	+ .94	+ 43	0.9	− 66
5615	+ 3	− .74	− 46	0.8	+ 39
5624	+ 2	− .82	− 62	0.9	+ 24
6207	− 1	+ .98	+ 106	0.6	+ 53

(270) BS 1189 $3^h 44^m.9$ −37°56'

J.D.	h	P	m	p	v
	min				
4522	+ 6	− .70	− 68	0.6	+ ".008
4528	+ 4	− .75	− 58	0.7	+ 24
4536	+ 7	− .84	− 73	0.7	− 6
4537	+ 11	− .85	− 71	0.9	+ 2
4767	− 2	+ .94	− 31	0.8	− 6
4769	+ 2	+ .93	− 35	0.6	− 17
4774	+ 1	+ .90	− 36	0.8	− 15
4776	0	+ .88	− 25	0.7	+ 6
4880	+ 5	− .61	− 62	0.7	− 49
4891	+ 2	− .74	− 38	0.8	− 2
4892	+ 5	− .75	− 23	0.8	+ 28
5133	+ 7	+ .93	+ 12	0.6	+ 8
5134	+ 3	+ .93	+ 23	0.7	+ 30
5143	+ 6	+ .87	+ 19	0.6	+ 23
5145	+ 4	+ .86	− 1	0.8	− 17
5253	+ 7	− .71	+ 12	0.6	+ 28
5264	+ 4	− .82	− 26	0.5	− 43
5266	+ 5	− .83	− 2	0.8	0
5268	+ 9	− .85	− 2	0.5	+ 2

(271) BS 1190 $3^h 44^m.9$ −37°56'

J.D.	h	P	m	p	v
	min				
4522	+ 6	− .70	− 10	0.6	− ".015
4528	+ 4	− .75	+ 16	0.7	+ 30
4536	+ 7	− .84	+ 7	0.7	+ 15
4537	+ 11	− .85	+ 4	0.9	+ 8
4767	− 2	+ .94	+ 39	0.8	− 6
4769	+ 2	+ .93	+ 48	0.6	+ 11
4774	+ 1	+ .90	+ 38	0.8	− 8
4776	0	+ .88	+ 34	0.7	− 15
4880	+ 5	− .61	+ 17	0.7	− 53
4891	+ 2	− .74	+ 39	0.8	− 13
4892	+ 5	− .75	+ 46	0.8	0
5133	+ 7	+ .93	+ 90	0.6	+ 2
5134	+ 3	+ .93	+ 76	0.7	− 24
5143	+ 6	+ .87	+ 108	0.6	+ 36
5145	+ 4	+ .86	+ 95	0.8	+ 13
5253	+ 7	− .71	+ 131	0.6	+ 73
5264	+ 4	− .82	+ 98	0.5	+ 9
5266	+ 5	− .83	+ 90	0.8	− 6
5268	+ 9	− .85	+ 61	0.5	− 60

(272) o¹ Erid $4^h 7^m.0$ −7°6'

J.D.	h	P	m	p	v
	min				
4790	− 5	+ .81	− 12	0.8	− ".019
4791	− 1	+ .80	− 11	0.5	− 17
4795	+ 1	+ .76	− 44	0.8	− 77
4796	+ 6	+ .75	− 4	0.6	− 4
4891	0	− .69	− 16	0.7	+ 19
4896	− 3	− .74	− 5	0.6	+ 39
4910	− 1	− .87	+ 29	0.6	+ 107
5125	− 2	+ .99	+ 46	0.5	+ 81
5130	− 3	+ .98	+ 12	0.9	+ 21
5140	− 4	+ .94	+ 11	0.6	+ 19
5249	+ 1	− .60	− 58	0.7	− 66
5255	0	− .67	− 30	0.6	− 11
5264	− 3	− .77	− 47	0.6	− 39
5268	− 6	− .82	− 43	0.7	− 32
5273	− 2	− .86	− 25	0.6	+ 4
5489	− 5	+ .99	− 23	0.7	− 47
5497	+ 3	+ .97	+ 22	0.6	+ 38
5507	− 1	+ .92	+ 15	0.6	+ 26
5508	+ 3	+ .91	+ 10	0.6	+ 17

(273) BS 1982 $5^h 40^m.3$ −22°27'

J.D.	h	P	m	p	v
	min				
4813	+ 2	+ .81	+ 232	0.8	".000
4814	0	+ .80	+ 227	0.9	− 11
4817	− 9	+ .76	+ 236	0.9	+ 15
4821	− 8	+ .72	+ 219	0.8	− 11
4912	+ 7	− .70	+ 129	0.6	+ 28
4918	+ 1	− .77	+ 96	0.6	− 21
4943	+ 9	− .97	+ 67	0.7	− 36
5163	+ 2	+ .94	+ 96	0.8	+ 24
5186	+ 2	+ .72	+ 62	0.8	+ 2
5193	+ 1	+ .64	+ 66	0.9	+ 23
5273	+ 6	− .64	− 73	0.7	− 53
5292	+ 5	− .85	− 69	0.9	− 9
5304	+ 1	− .94	− 68	0.7	+ 13
5305	+ 4	− .95	− 44	0.8	+ 56
5524	+ 4	+ .95	− 91	0.6	− 23
5526	+ 5	+ .95	− 73	1.0	+ 13
5527	+ 3	+ .95	− 97	1.0	− 32
5543	+ 4	+ .82	− 90	1.0	+ 8

(274) γ Leps $5^h 40^m.3$ −22°29'

J.D.	h	P	m	p	v
	min				
4802	− 2	+ .90	+ 205	0.7	+ ".034
4804	0	+ .89	+ 180	0.7	− 8
4809	+ 1	+ .85	+ 167	0.7	− 26
4813	− 1	+ .81	+ 156	1.0	− 38
4912	+ 4	− .70	+ 31	1.0	− 21
4918	− 4	− .77	+ 46	0.8	+ 19
4919	− 1	− .78	+ 73	0.9	+ 70
4919	+ 4	− .78	+ 17	0.6	− 34
5154	− 3	+ .98	+ 49	0.7	− 2
5163	0	+ .94	+ 52	0.9	+ 17
5186	− 1	+ .72	+ 27	1.0	+ 13
5193	+ 9	+ .64	+ 20	0.9	+ 13
5273	+ 3	− .64	− 140	0.7	− 75
5292	+ 2	− .85	− 145	0.7	− 45
5304	− 2	− .94	− 117	0.7	+ 24
5305	+ 1	− .95	− 108	0.6	+ 43
5524	+ 2	+ .95	− 107	0.5	− 9
5526	+ 2	+ .95	− 88	1.1	+ 28
5527	0	+ .95	− 110	0.6	− 13
5543	+ 2	+ .82	− 139	0.7	− 28

(275) δ Leps $5^h 47^m.0$ −20°53'

J.D.	h	P	m	p	v
	min				
4461	+ 5	+ .69	− 277	0.4	+ ".013
4550	+ 2	− .72	− 261	0.5	+ 17
4795	+ 1	+ .95	− 198	0.6	− 23
4802	− 2	+ .92	− 157	0.7	+ 49
4813	+ 2	+ .83	− 179	0.9	+ 6
4814	0	+ .82	− 198	0.8	− 32
4924	+ 2	− .82	− 160	0.5	+ 2
5185	+ 4	+ .76	− 85	0.8	− 24
5291	0	− .83	− 66	0.8	− 24
5304	+ 3	− .93	− 29	0.7	+ 39
5307	+ 6	− .95	− 48	0.8	+ 2
5308	+ 7	− .96	− 65	0.7	− 30
5531	+ 2	+ .93	+ 43	0.6	+ 23
5545	+ 4	+ .81	+ 20	0.7	− 28
5644	− 1	− .70	+ 61	0.7	+ 15
5645	+ 4	− .71	+ 40	0.8	− 26
5659	+ 1	− .86	+ 72	0.6	+ 30
5893	0	+ .95	+ 141	0.7	+ 4
5900	0	+ .91	+ 146	0.9	+ 13
5921	− 7	+ .69	+ 145	1.0	− 2

(276) BS 2157 $6^h 1^m.6$ -45°2'

J.D.	h	P	m	p	v
	min				
5291	+ 3	- .80	- 13	0.6	+ ".017
5545	+ 6	+ .84	+ 4	0.6	+ 34
5547	+ 6	+ .82	- 12	0.9	+ 6
5548	- 1	+ .81	- 38	0.7	- 41
5549	+ 1	+ .80	- 28	0.6	- 24
5640	+ 5	- .60	- 40	0.6	+ 17
5650	- 1	- .73	- 74	0.6	- 39
5662	+ 2	- .86	- 44	0.6	+ 23
5673	+ 6	- .94	- 59	0.8	- 2
5896	- 2	+ .95	- 41	0.6	+ 8
5915	+ 1	+ .80	- 31	0.6	+ 32
5918	+ 4	+ .76	- 47	1.1	+ 8
5923	- 7	+ .70	- 40	0.9	+ 21
6023	- 4	- .82	- 80	0.9	+ 15
6028	+ 2	- .86	-119	0.8	- 55
6035	+ 4	- .92	-129	1.0	- 70
6038	+ 2	- .94	- 52	0.8	+ 75
6266	+ 4	+ .92	- 90	0.8	- 19
6273	- 1	+ .86	- 89	1.0	- 17
6387	+ 6	- .81	- 94	1.0	+ 53
6388	+ 7	- .81	-133	1.0	- 19

(277) BS 2158 $6^h 1^m.8$ -45°5'

J.D.	h	P	m	p	v
	min				
5291	+ 3	- .80	- 40	1.0	+ ".006
5545	+ 6	+ .84	- 26	0.8	+ 21
5547	+ 6	+ .82	- 48	0.9	- 19
5548	- 1	+ .81	- 30	0.7	+ 13
5549	+ 1	+ .80	- 45	0.6	- 11
5640	+ 5	- .60	- 82	0.6	- 23
5650	- 1	- .73	-119	0.6	- 88
5662	+ 2	- .86	- 67	0.6	+ 19
5673	+ 6	- .94	- 93	0.8	- 24
5896	- 2	+ .95	- 51	0.6	+ 30
5915	+ 1	+ .80	- 74	0.6	- 6
5918	+ 4	+ .76	- 77	1.1	- 8
5923	- 7	+ .70	- 62	0.9	+ 21
6023	- 4	- .82	- 66	0.9	+ 81
6028	+ 2	- .86	-111	0.8	- 2
6035	+ 4	- .92	-134	1.0	- 41
6038	+ 2	- .94	- 60	0.8	+ 96
6266	+ 4	+ .92	-110	0.8	- 17
6273	- 1	+ .86	-112	1.0	- 19
6277	+ 1	+ .82	- 96	0.7	+ 15
6387	+ 6	- .81	-154	0.7	- 24
6388	+ 7	- .81	-155	1.0	- 24

(278) α CMaj $6^h 40^m.7$ -16°35'

J.D.	h	P	m	p	v
	min				
5940	- 5	+ .60	+ 46	0.9	+ ".043
6028	+ 5	- .77	+ 6	1.0	- 11
6035	+ 4	- .84	+ 8	1.0	- 6
6047	+ 1	- .93	+ 15	0.9	+ 9
6052	+ 6	- .96	+ 13	0.8	+ 6
6287	+ 2	+ .81	+ 2	0.9	- 17
6297	+ 5	+ .70	0	0.8	- 17
6300	+ 3	+ .66	+ 28	0.8	+ 36
6387	+ 3	- .70	- 14	0.9	- 23
6399	+ 1	- .83	- 28	0.9	- 43
6410	+ 1	- .92	- 8	1.2	- 8
6646	+ 4	+ .87	+ 14	0.8	+ 36
6664	- 2	+ .69	- 17	0.9	- 19
6665	- 7	+ .67	- 25	0.6	- 32
6666	-10	+ .65	- 22	1.0	- 28
6761	- 3	- .80	- 16	1.0	+ 8
6768	- 4	- .86	0	1.0	+ 39
6769	- 5	- .87	+ 4	0.8	+ 47
6778	0	- .93	- 33	0.8	- 21

(279) BS 2667 $7^h 0^m.9$ -43°28'

J.D.	h	P	m	p	v
	min				
5562	+ 5	+ .80	+123	0.5	- ".004
5568	+ 6	+ .74	+128	1.0	+ 9
5570	+ 2	+ .71	+123	0.6	+ 2
5571	+ 1	+ .71	+128	0.7	+ 13
5676	+ 2	- .85	+ 78	1.0	+ 9
5685	+ 7	- .92	+ 96	0.8	+ 49
5695	+ 5	- .97	+ 67	0.7	0
5696	+ 3	- .98	+ 63	0.6	- 8
5922	+ 2	+ .85	+ 55	0.5	- 9
6065	+ 9	- .99	- 18	0.6	- 32
6297	0	+ .75	- 26	0.7	- 28
6300	+ 2	+ .72	- 48	0.6	- 66
6309	+ 8	+ .61	- 45	1.0	- 53
6407	+ 4	- .86	- 80	1.2	- 32
6410	- 1	- .88	- 74	1.0	- 19
6413	+ 3	- .91	- 55	1.2	+ 19
6420	+ 2	- .95	- 61	1.0	+ 11
6660	+ 2	+ .78	- 48	0.9	+ 58
6672	+ 3	+ .64	- 72	1.1	+ 21
6673	-11	+ .62	- 74	1.0	+ 19

(280) BS 2668 $7^h 0^m.9$ -43°28'

J.D.	h	P	m	p	v
	min				
5562	+ 5	+ .80	+198	0.2	+ ".152
5568	+ 6	+ .74	+ 97	0.8	- 32
5570	+ 2	+ .71	+ 68	0.6	- 86
5571	+ 1	+ .71	+183	0.5	+ 133
5676	+ 2	- .85	+ 54	0.8	- 4
5685	+ 7	- .92	+ 59	0.7	+ 11
5695	+ 5	- .97	+ 66	0.7	+ 30
5696	+ 3	- .98	+ 12	0.3	- 70
6065	+ 9	- .99	- 36	0.8	- 39
6297	0	+ .75	- 11	0.6	+ 4
6300	+ 2	+ .72	- 33	0.4	- 34
6309	+ 8	+ .61	- 59	0.4	- 75
6407	+ 4	- .86	- 78	1.2	- 11
6410	- 1	- .88	- 67	0.5	+ 11
6413	+ 3	- .91	- 66	0.7	+ 17
6420	+ 2	- .95	- 65	1.0	+ 21
6660	+ 2	+ .78	- 63	0.5	+ 24
6673	-11	+ .62	- 71	0.4	+ 24

(281) BS 2950 $7^h 34^m.8$ +5°28'

J.D.	h	P	m	p	v
	min				
5947	0	+ .66	+ 42	0.7	+ ".019
6063	+ 1	- .95	+ 6	0.9	- 23
6068	0	- .96	+ 10	1.1	- 15
6077	+ 4	- .99	+ 33	0.4	+ 30
6078	+ 8	- .99	+ 53	0.4	+ 70
6297	+ 6	+ .83	+ 27	0.8	+ 19
6298	- 1	+ .82	+ 3	0.8	- 23
6300	+ 2	+ .79	+ 14	0.9	- 2
6309	+ 4	+ .70	+ 44	0.8	+ 53
6410	- 3	- .82	+ 12	0.9	+ 19
6414	+ 1	- .85	- 10	1.1	- 19
6438	+ 3	- .99	- 38	0.9	- 71
6660	+ 5	+ .85	0	0.8	+ 4
6662	+ 2	+ .83	- 15	0.8	- 23
6673	+ 8	+ .71	- 31	0.9	- 55
6680	- 2	+ .62	+ 2	1.0	+ 13
6773	+ 3	- .79	+ 38	0.5	+ 102
6778	+ 3	- .84	- 23	0.9	- 11
6799	- 4	- .98	- 12	0.9	+ 13
6800	0	- .98	- 6	0.7	+ 24

(282) BS 3145 $7^h 57^m.1$ +2°37'

J.D.	h	P	m	p	v
	min				
4620	+11	-.98	+71	1.0	+".039
4621	+12	-.98	+36	1.0	- 28
4622	+ 1	-.98	+43	0.8	- 13
4849	+ 1	+.75	+21	0.9	- 62
4859	+ 5	+.63	+62	1.1	+ 17
4860	- 3	+.61	+86	0.8	+ 60
4976	+ 3	-.96	+37	0.6	- 6
4977	+ 8	-.97	+18	0.5	- 43
4980	+ 4	-.98	+50	0.6	+ 19
4982	+ 2	-.98	+46	0.9	+ 9
5213	+ 1	+.76	+60	0.5	+ 30
5217	+ 4	+.72	+21	0.7	- 43
5223	+ 1	+.64	+57	0.7	+ 28
5224	0	+.63	+27	0.7	- 30
5227	- 2	+.59	+55	0.6	+ 24
5325	+ 3	-.86	+33	0.7	+ 4
5332	+ 3	-.91	+49	0.7	+ 36
5336	+ 3	-.93	- 7	0.7	- 70
5341	+ 1	-.96	+20	0.7	- 17
5347	0	-.98	+49	0.9	+ 36

(283) ρ Pupp $8^h 3^m.3$ -24°1'

J.D.	h	P	m	p	v
	min				
4486	-12	+.73	-130	0.4	-".135
4495	- 7	+.63	- 76	0.8	- 26
4585	0	-.75	- 92	0.5	- 9
4592	+ 3	-.82	- 95	0.8	- 11
4594	+ 3	-.84	- 74	0.4	+ 28
4604	+ 5	-.91	-159	0.5	- 126
4618	+ 7	-.97	- 17	0.5	+ 143
4840	- 1	+.85	- 69	0.6	+ 56
4848	+ 3	+.77	- 67	0.7	+ 62
4850	- 3	+.75	- 90	1.0	+ 21
4965	+ 1	-.88	-148	0.7	- 28
4976	+ 1	-.95	- 81	0.7	+ 103
4980	+ 2	-.96	-142	0.4	- 11
5204	- 3	+.85	-147	0.7	- 9
5205	+ 1	+.85	-147	0.8	- 11
5206	+ 1	+.85	-128	0.6	+ 26
5215	+ 1	+.76	-159	0.7	- 30
5223	0	+.66	-146	0.8	0
5325	+ 3	-.84	-184	0.7	- 17
5330	0	-.88	-203	0.7	- 51
5339	+ 3	-.94	-168	0.3	+ 19
5341	+ 2	-.95	-188	0.7	- 17

(284) BS 3384 $8^h 29^m.0$ -31°11'

J.D.	h	P	m	p	v
	min				
5339	0	-.83	+575	1.0	-".038
5355	0	-.96	+566	0.7	+ 36
5357	+ 1	-.97	+527	0.7	- 28
5362	+ 2	-.97	+540	0.7	+ 11
5582	+ 2	+.79	+262	0.8	+ 6
5583	0	+.78	+268	0.8	+ 21
5584	- 1	+.77	+277	0.8	+ 41
5586	+ 8	+.75	+209	0.7	- 79
5696	- 1	-.84	+ 1	0.7	+ 24
5705	0	-.90	- 20	1.1	+ 21
5708	0	-.92	- 31	0.8	+ 11
5718	- 3	-.96	- 52	0.6	+ 8
5940	+ 1	+.85	-335	0.7	- 6
5949	+ 2	+.77	-361	0.9	- 19
5956	+ 1	+.70	-388	0.9	- 41
5957	+10	+.68	-337	1.0	+ 60
6076	- 2	-.94	-646	1.0	+ 6
6077	0	-.94	-629	0.7	+ 41
6078	+ 2	-.95	-666	0.8	- 24
6083	+ 3	-.96	-698	0.6	- 68

(285) γ Cham $10^h 34^m.3$ -78°5'

J.D.	h	P	m	p	v
	min				
4541	+ 7	+.48	+59	0.5	-".017
4658	+ 2	-.94	+85	0.7	+ 51
4663	+ 4	-.94	+48	0.8	- 17
4665	+ 8	-.94	+41	0.8	- 28
4666	+ 2	-.94	+58	1.0	+ 2
4892	+ 4	+.66	+36	0.8	- 21
4894	+ 3	+.64	+55	0.8	+ 17
4895	- 8	+.63	+11	0.5	- 68
5022	+ 3	-.94	+23	0.9	- 24
5031	+ 1	-.94	+59	0.8	+ 43
5032	+ 6	-.94	+55	0.8	+ 36
5255	+ 6	+.68	+65	0.8	+ 71
5384	+ 6	-.92	- 8	1.0	- 41
5614	+ 4	+.74	- 38	0.7	- 83
5615	+ 4	+.73	+29	0.7	+ 45
5616	+ 2	+.72	+20	0.5	+ 28
5746	+ 7	-.91	- 18	1.0	- 23
5752	+ 7	-.93	+ 7	0.7	+ 26
5755	+ 2	-.94	- 5	0.7	+ 2

(286) BS 4177 $10^h 34^m.9$ -58°40'

J.D.	h	P	m	p	v
	min				
4657	+ 6	-.94	+ 23	1.0	+".006
4662	0	-.94	+ 37	1.0	+ 32
4664	+ 6	-.94	+ 41	1.2	+ 41
4876	+ 1	+.81	+ 18	0.6	- 23
4886	+ 1	+.72	+ 30	0.9	+ 2
4891	0	+.68	+ 51	0.6	+ 43
4895	- 5	+.63	- 29	0.7	- 107
5017	+ 7	-.92	- 9	0.6	- 49
5028	+ 4	-.94	+ 4	0.6	- 23
5031	+ 3	-.94	+ 4	0.9	- 24
5249	+ 4	+.75	+ 32	0.7	+ 9
5255	+ 8	+.69	+ 25	0.6	- 2
5383	+ 7	-.92	+ 28	0.7	+ 23
5395	+ 8	-.94	- 20	0.6	- 68
5613	+ 7	+.76	+ 32	0.7	+ 13
5615	+ 7	+.74	+ 39	0.8	+ 26
5623	+ 8	+.66	+ 43	0.5	+ 36
5746	+10	-.91	+ 13	0.7	- 4
5755	+ 9	-.94	+ 11	1.2	- 8
5760	+ 6	-.94	+ 27	0.8	+ 23

(287) BS 4652 $12^h 8^m.8$ -45°10'

J.D.	h	P	m	p	v
	min				
4680	+ 3	-.92	+ 39	1.2	-".009
4687	+ 2	-.93	+ 64	1.0	+ 38
4905	- 5	+.77	+ 13	0.9	- 58
4916	- 3	+.67	+ 9	0.3	- 66
5042	+ 2	-.91	+ 44	0.6	+ 23
5043	+ 2	-.91	+ 10	0.9	- 41
5270	0	+.78	+ 64	0.7	+ 60
5271	+ 5	+.76	+ 23	0.9	- 17
5277	0	+.71	+ 87	0.6	+ 105
5410	+ 1	-.92	+ 16	1.0	- 6
5415	- 7	-.93	+ 35	1.2	+ 28
5640	+ 4	+.74	+ 26	1.0	+ 11
5641	- 1	+.72	+ 20	0.8	0
5646	+ 4	+.67	- 11	0.8	- 58
5650	- 1	+.63	+ 28	1.0	+ 17
5775	+ 4	-.92	+ 16	0.8	+ 15
5777	- 7	-.92	- 9	0.9	- 32
5787	+ 2	-.93	- 2	0.7	- 19

(288) Comph $12^h 8^m.8$ −45°10'

J.D.	h	P	m	p	v
	min				
4680	+ 3	− .92	+ 22	1.0	+ ".006
4687	+ 2	− .93	+ 39	1.0	+ 39
4905	− 5	+ .77	− 12	0.8	− 45
5042	+ 2	− .91	+ 34	0.5	+ 41
5043	+ 2	− .91	+ 2	0.7	− 17
5270	0	+ .78	+ 1	0.7	− 6
5277	0	+ .71	+ 16	0.3	+ 21
5410	+ 1	− .92	− 36	1.0	− 77
5415	− 7	− .93	+ 4	1.2	− 2
5640	+ 4	+ .74	+ 4	0.9	+ 9
5641	− 1	+ .72	− 12	0.6	− 17
5646	+ 4	+ .67	+ 3	0.6	+ 9
5650	− 1	+ .63	+ 21	0.8	+ 43
5775	+ 4	− .92	+ 11	0.6	+ 24
5777	− 7	− .92	+ 4	0.7	+ 11
5787	+ 2	− .93	− 3	0.5	0

(289) δ Virg $12^h 50^m.6$ +3°56'

J.D.	h	P	m	p	v
	min				
4692	+ 2	− .92	− 36	0.8	".000
4693	0	− .92	− 45	1.0	− 15
4695	+ 2	− .93	− 43	0.6	− 13
5644	+ 1	+ .80	− 5	0.6	+ 2
5650	+ 3	+ .75	− 7	0.7	− 6
5655	+ 6	+ .70	− 20	0.6	− 26
5789	− 5	− .92	+ 16	0.5	+ 77
6000	− 3	+ .86	+ 22	0.6	+ 43
6002	0	+ .85	− 14	0.8	− 26
6013	0	+ .76	+ 18	1.0	+ 38
6016	+ 4	+ .75	+ 9	0.7	+ 19
6147	+ 4	− .90	− 25	0.9	− 4
6154	+ 2	− .92	+ 3	0.6	+ 45
6365	− 2	+ .86	+ 8	0.6	+ 11
6387	+ 5	+ .68	+ 23	1.0	+ 39
6395	− 2	+ .59	− 41	1.2	− 77
6515	+ 4	− .91	− 43	1.2	− 47
6517	+ 5	− .92	− 18	1.2	+ 2
6518	+ 2	− .92	− 7	0.9	+ 21
6525	0	− .94	− 13	0.8	+ 11

(290) $13^h 12^m.8$ −17°47'

J.D.	h	P	m	p	v
	min				
4553	+ 7	+ .81	+ 109	0.3	+ ".030
4557	+ 5	+ .78	+ 80	0.4	− 23
4559	+ 4	+ .76	+ 88	0.4	− 6
4565	+ 7	+ .71	+ 108	0.5	+ 32
4566	− 2	+ .70	+ 103	0.4	+ 23
4681	+ 6	− .84	+ 79	0.8	+ 39
4684	+ 3	− .86	+ 44	0.8	− 24
4697	+ 2	− .92	+ 34	0.8	− 38
4700	+ 1	− .93	+ 53	0.9	− 2
4912	+ 1	+ .85	+ 56	0.7	+ 56
4924	+ 3	+ .76	− 23	0.5	− 85
4926	0	+ .75	+ 11	0.7	− 21
4927	− 1	+ .74	+ 15	1.1	− 11
5042	+ 3	− .80	0	0.9	+ 19
5053	0	− .88	− 37	0.9	− 45
5059	+ 3	− .91	− 4	1.0	+ 19
5069	− 1	− .94	+ 8	0.6	+ 45
5277	+ 6	+ .85	− 45	0.7	0
5300	+ 5	+ .66	− 48	1.0	+ 4
5302	+ 4	+ .64	− 50	0.7	0

(291) 61 Virg $13^h 13^m.2$ −17°45'

J.D.	h	P	m	p	v
	min				
4554	+ 7	+ .81	+ 85	0.3	+ ".088
4558	+ 5	+ .78	+ 37	0.4	+ 4
4560	+ 4	+ .76	+ 45	0.4	+ 21
4566	+ 7	+ .71	+ 45	0.5	+ 28
4567	− 2	+ .70	+ 24	0.4	− 11
4681	+ 6	− .84	− 107	0.8	− 53
4684	+ 3	− .86	− 81	0.8	0
4697	+ 2	− .92	− 88	0.8	− 6
4700	+ 1	− .93	− 93	0.9	− 11
4913	+ 1	+ .85	+ 68	0.7	+ 79
4925	+ 3	+ .76	− 9	0.5	− 53
4927	0	+ .75	+ 4	0.7	− 26
4928	− 1	+ .74	− 8	1.1	− 49
5042	+ 3	− .80	− 77	0.9	+ 28
5053	0	− .88	− 97	0.9	− 2
5059	+ 3	− .91	− 94	1.0	+ 9
5069	− 1	− .94	− 79	0.6	+ 43
5278	+ 6	+ .85	+ 16	0.7	+ 9
5300	+ 5	+ .66	− 10	1.0	− 11
5302	+ 4	+ .64	− 9	0.7	− 9

(292) BS 5568 $14^h 51^m.6$ −20°58'

J.D.	h	P	m	p	v
	min				
4595	− 5	+ .69	+ 16	0.6	− ".088
4597	− 8	+ .66	+ 65	0.9	+ 9
4598	+ 5	+ .65	+ 89	0.8	+ 56
4600	+ 8	+ .62	+ 102	0.6	+ 85
4710	− 3	− .88	− 83	0.9	− 2
4714	− 2	− .91	− 97	0.8	− 21
4716	− 1	− .92	− 73	0.5	+ 26
4726	− 1	− .96	− 83	0.7	+ 15
4730	+ 7	− .96	− 103	0.9	− 24
4943	+ 3	+ .85	+ 84	0.7	+ 8
4950	0	+ .79	+ 70	0.6	− 9
4951	+ 6	+ .78	+ 91	0.6	+ 30
5077	+ 2	− .89	− 104	0.6	− 41
5080	+ 1	− .91	− 76	0.7	+ 13
5092	0	− .96	− 86	0.7	+ 2
5094	+ 3	− .96	− 83	0.6	+ 9
5302	0	+ .88	+ 71	0.6	− 26
5306	+ 4	+ .86	+ 68	0.6	− 28
5308	− 5	+ .85	+ 68	0.8	− 26
5318	− 6	+ .77	+ 51	0.6	− 45
6042	+ 4	+ .82	+ 103	0.6	+ 32
6189	+ 4	− .96	− 67	0.7	+ 24

(293) 5 Serp $15^h 14^m.2$ +2°9'

J.D.	h	P	m	p	v
	min				
4705	0	− .80	0	0.9	− ".043
4711	0	− .85	− 18	0.6	− 73
4734	+ 6	− .97	+ 32	0.8	+ 26
4953	+ 5	+ .82	+ 115	0.6	+ 102
4961	0	+ .75	+ 57	0.9	− 4
4963	− 1	+ .72	+ 52	0.5	− 11
4965	0	+ .70	+ 94	0.8	+ 68
5082	+ 4	− .89	+ 20	0.8	+ 6
5094	+ 7	− .95	+ 27	0.6	+ 23
5096	+ 7	− .96	+ 5	0.6	− 17
5325	+ 5	+ .76	+ 40	0.8	− 28
5329	+ 11	+ .71	+ 38	0.8	− 30
5461	+ 12	− .95	− 15	0.6	− 49
5462	+ 6	− .96	+ 28	1.0	+ 32
5684	+ 8	+ .82	+ 18	0.9	− 68
5689	+ 6	+ .78	+ 68	0.7	+ 28
5696	+ 3	+ .70	+ 69	0.8	+ 38
6060	− 3	+ .69	+ 3	0.5	− 83
6180	+ 10	− .91	+ 19	0.7	+ 26
6188	+ 10	− .95	+ 12	0.8	+ 17
6194	+ 4	− .97	+ 14	0.5	+ 23

(294) ξ Lupi $15^h 50^m.5$ −33°40'

J.D.	h	P	m	p	v
	min				
4713	− 2	− .79	− 64	0.9	−".045
4727	+ 6	− .91	− 47	0.8	− 11
4735	+ 5	− .96	− 35	0.6	+ 11
4965	+ 1	+ .80	+ 15	0.6	+ 49
4968	+ 3	+ .78	+ 23	0.6	+ 64
4972	+ 2	+ .73	− 3	0.6	+ 17
5080	0	− .81	− 54	0.3	− 45
5108	+ 3	− .98	− 31	0.7	+ 2
5339	− 3	+ .72	− 7	0.5	− 9
5341	− 6	+ .69	− 12	0.5	− 19
5461	+ 6	− .93	− 18	0.4	+ 6
5473	+ 7	− .98	0	0.4	+ 41
5685	+ 3	+ .89	− 10	0.6	− 38
5688	0	+ .87	+ 18	0.9	+ 15
5694	+ 6	+ .82	− 19	0.6	− 53
5695	− 4	+ .80	+ 2	0.9	− 13
5824	+ 4	− .92	+ 2	0.6	+ 26
5830	+ 1	− .95	− 7	0.8	+ 8
5833	+ 5	− .96	− 10	1.0	+ 2
5834	− 1	− .96	− 7	0.6	+ 9

(295) ξ Lupi $15^h 50^m.5$ −33°40'

J.D.	h	P	m	p	v
	min				
4713	− 2	− .79	+ 37	0.9	−".028
4727	+ 6	− .91	+ 59	0.8	+ 13
4735	+ 5	− .96	+ 57	0.6	+ 13
4965	+ 1	+ .80	+100	0.6	+ 49
4968	+ 3	+ .78	+ 81	0.6	+ 15
4972	+ 2	+ .73	+ 79	0.6	+ 11
5080	0	− .81	+ 49	0.3	− 24
5108	+ 3	− .98	+ 47	0.7	− 28
5339	− 3	+ .72	+ 95	0.5	+ 24
5341	− 6	+ .69	+ 61	0.5	− 41
5461	+ 6	− .93	+ 47	0.4	− 47
5473	+ 7	− .98	+ 89	0.4	+ 32
5685	+ 3	+ .89	+ 96	0.6	+ 4
5688	0	+ .87	+ 94	0.9	− 2
5694	+ 6	+ .82	+ 84	0.6	− 17
5695	− 4	+ .80	+ 79	0.9	− 28
5824	+ 4	− .92	+ 96	0.6	+ 26
5830	+ 1	− .95	+ 77	0.8	− 11
5833	+ 5	− .96	+ 91	1.0	+ 17
5834	− 1	− .96	+ 93	0.6	+ 21

(296) α Scor $16^h 23^m.3$ −26°13'

J.D.	h	P	m	p	v
	min				
4595	+ 7	+ .91	+ 83	0.2	+".132
4597	+ 9	+ .90	− 24	0.3	− 71
4604	+ 4	+ .85	+ 84	0.3	+ 132
4609	+ 5	+ .80	− 22	0.6	− 66
4611	− 9	+ .79	+ 48	0.5	+ 68
4618	− 2	+ .70	− 44	0.7	− 103
4724	0	− .83	− 59	0.8	− 88
4727	+ 3	− .86	− 39	1.0	− 53
4730	− 1	− .88	− 4	1.1	+ 15
4734	0	− .91	+ 10	0.9	+ 41
4751	+ 5	− .99	+ 43	0.6	+ 103
4953	+ 5	+ .95	+ 55	0.7	+ 73
4965	+ 1	+ .88	+ 10	0.8	− 8
4972	+ 1	+ .83	+ 22	0.8	+ 17
5096	+ 4	− .88	− 30	0.9	− 34
5106	+ 5	− .95	− 1	0.9	+ 23
5107	+ 2	− .95	− 6	0.9	+ 11
5108	+ 2	− .96	− 20	1.0	− 13
5109	+ 1	− .97	− 2	1.0	+ 21
5327	+ 4	+ .90	+ 1	0.8	− 24
5339	+ 3	+ .81	+ 7	0.6	− 11
5340	+ 2	+ .80	− 2	0.9	− 28
5347	+ 2	+ .72	+ 26	1.0	+ 24

(297) 12 Ophi $16^h 31^m.1$ −2°7'

J.D.	h	P	m	p	v
	min				
4609	+ 5	+ .83	−168	0.7	−".038
4611	− 3	+ .80	−124	0.8	+ 47
4618	+ 4	+ .73	−137	1.1	+ 21
4619	− 2	+ .72	−164	1.0	− 30
4724	0	− .81	−162	0.7	− 2
4725	0	− .82	−167	0.8	− 13
4738	+ 2	− .92	−176	0.7	− 36
4745	+ 5	− .96	−151	0.6	+ 8
4748	+ 5	− .97	−151	0.8	+ 2
4950	− 5	+ .96	+ 90	0.9	− 2
4965	+ 3	+ .89	+ 98	0.7	+ 2
4968	+ 1	+ .87	+108	0.9	+ 21
5091	+ 5	− .83	+121	0.7	+ 62
5092	+ 2	− .84	+ 70	1.1	− 36
5110	+ 1	− .96	+ 99	0.7	+ 9
5111	+ 1	− .97	+114	0.6	+ 39
5325	+ 3	+ .93	+340	0.8	− 8
5329	+ 2	+ .90	+338	0.8	− 15
5330	+ 4	+ .89	+358	0.7	+ 24
5341	+ 7	+ .80	+333	1.0	− 26

(298) 36 Ophi $17^h 9^m.2$ −26°27'

J.D.	h	P	m	p	v
	min				
4609	− 1	+ .90	+322	0.5	−".092
4611	+ 8	+ .89	+362	0.9	− 15
4622	−10	+ .79	+367	0.8	+ 30
4623	0	+ .78	+345	0.7	− 9
4625	+ 4	+ .76	+371	0.7	+ 47
4737	− 5	− .85	+ 99	1.0	− 26
4744	+ 5	− .91	+101	0.9	0
4748	+ 3	− .93	+107	0.7	+ 19
4758	+ 3	− .98	+ 97	0.7	+ 23
4960	− 2	+ .97	+153	0.6	+ 21
4965	+ 2	+ .96	+161	0.8	+ 45
4979	0	+ .87	+106	0.8	− 24
5105	+ 4	− .87	−137	0.7	+ 4
5106	0	− .88	−135	0.9	+ 8
5111	− 2	− .92	−167	0.7	− 36
5117	− 3	− .95	−146	0.6	+ 15
5327	− 2	+ .97	− 92	0.8	+ 26
5330	0	+ .96	− 88	0.6	+ 38
5337	+ 1	+ .92	−123	0.7	− 9
5348	+ 3	+ .84	−159	0.9	− 51

(299) 36 Ophi $17^h 9^m.2$ −26°27'

J.D.	h	P	m	p	v
	min				
4609	− 1	+ .90	+274	0.5	−".137
4611	+ 8	+ .89	+357	0.9	+ 23
4622	−10	+ .79	+352	0.8	+ 47
4623	0	+ .78	+333	0.7	+ 15
4625	+ 4	+ .76	+315	0.7	− 11
4737	− 5	− .85	+ 59	1.0	− 41
4744	+ 5	− .91	+ 73	0.9	+ 4
4748	+ 3	− .93	+ 66	0.7	+ 2
4758	+ 3	− .98	+ 59	0.7	+ 11
4960	− 2	+ .97	+104	0.6	+ 17
4965	+ 2	+ .96	+110	0.8	+ 36
4979	0	+ .87	+ 76	0.8	+ 9
5105	+ 4	− .87	−170	0.7	+ 43
5106	0	− .88	−183	0.9	+ 21
5111	− 2	− .92	−223	0.7	− 41
5117	− 3	− .95	−202	0.6	+ 13
5327	− 2	+ .97	−164	0.8	+ 24
5330	0	+ .96	−183	0.6	− 6
5337	+ 1	+ .92	−201	0.7	− 24
5348	+ 3	+ .84	−225	0.9	− 38

(300) 17h 10.1m −26°24'

J.D.	h	P	m	p	v
	min				
4622	− 4	+ .79	+215	0.8	−".028
4623	+ 9	+ .78	+238	0.8	+ 17
4625	+10	+ .76	+196	0.7	− 56
4626	+ 7	+ .75	+219	0.6	− 11
4737	+ 1	− .85	+ 4	0.8	− 11
4744	− 1	− .91	+ 15	0.8	+ 30
4748	+ 9	− .93	+ 8	0.8	+ 24
4760	+ 2	− .99	− 1	0.8	+ 34
4960	+ 4	+ .97	+ 63	0.4	+ 85
4972	+ 1	+ .92	+ 28	0.8	+ 41
4981	+ 2	+ .85	− 21	0.8	− 26
5106	+ 6	− .88	−266	1.0	− 45
5110	+ 2	− .92	−262	1.0	− 30
5112	0	− .92	−235	0.7	+ 28
5123	+ 4	− .97	−263	0.7	− 2
5330	+ 5	+ .96	−235	0.6	− 6
5337	+ 7	+ .92	−221	0.7	+ 36
5339	+ 4	+ .91	−228	0.6	+ 28
5350	+ 4	+ .81	−278	0.9	− 36

(301) 72 Ophi 18h 2.6m +9°33'

J.D.	h	P	m	p	v
	min				
4992	+ 8	+ .87	+ 75	0.5	+".036
4996	+ 7	+ .84	+ 75	0.6	+ 38
4997	0	+ .83	+ 58	0.8	+ 8
5129	+ 8	− .95	− 36	0.6	− 60
5130	− 1	− .96	+ 1	0.7	+ 11
5340	+ 5	+ .98	+ 1	0.7	− 38
5363	+ 6	+ .82	+ 16	1.0	0
5495	+ 5	− .96	− 48	0.8	− 9
5498	+ 4	− .97	− 38	0.6	+ 9
5499	+ 4	− .97	− 58	0.6	− 26
5502	+ 3	− .99	− 36	0.6	+ 15
5713	+ 4	+ .94	− 39	1.0	− 36
5729	+ 3	+ .81	− 12	0.9	+ 23
5857	+ 8	− .94	− 60	0.6	+ 39
5862	+ 8	− .96	− 92	1.1	− 17
5868	+ 7	− .99	− 58	0.6	+ 49
6077	− 6	+ .94	− 67	0.7	− 19
6078	− 8	+ .94	− 35	0.7	+ 45
6084	+ 6	+ .90	− 71	1.0	− 21
6088	−10	+ .87	− 58	0.6	+ 6

(302) ζ Sgtr 18h 56.3m −30°1'

J.D.	h	P	m	p	v
	min				
4619	+ 4	+ .98	− 28	0.4	−".073
4622	+ 6	+ .97	− 11	0.8	− 41
4623	+ 5	+ .97	+ 2	0.7	− 17
4628	− 3	+ .95	+ 23	0.7	+ 23
4634	+ 8	+ .91	+ 31	0.4	+ 39
4760	0	− .82	− 10	0.5	+ 11
4765	0	− .87	− 8	1.0	+ 15
4772	+ 3	− .92	− 24	0.7	− 15
4776	− 1	− .94	− 14	0.8	+ 8
4984	+ 4	+ .98	+ 9	0.5	+ 21
4997	+ 2	+ .93	+ 13	0.8	+ 32
5004	+ 5	+ .88	+ 19	0.8	+ 41
5123	+ 1	− .80	− 58	0.6	− 53
5134	+ 3	− .90	− 4	0.9	+ 51
5146	+ 3	− .96	− 76	0.7	− 83
5151	+ 4	− .99	− 12	0.7	+ 38
5350	+ 2	+ .98	+ 12	0.7	+ 53
5365	+ 3	+ .90	− 30	0.7	− 23
5369	+ 4	+ .88	− 23	0.8	− 9
5371	+ 6	+ .86	− 50	0.6	− 60

(303) λ Aqil 19h 0.9m −5°2'

J.D.	h	P	m	p	v
	min				
4628	− 2	+ .95	+ 42	0.8	−".013
4641	+ 7	+ .87	+119	0.3	+ 133
4642	+ 7	+ .86	+ 68	0.6	+ 38
4658	+11	+ .69	+ 20	0.6	− 47
4766	+10	− .87	− 20	0.6	− 85
4774	+ 6	− .93	+ 29	0.5	+ 9
4780	+ 5	− .96	+ 48	0.7	+ 45
4990	+ 6	+ .97	+ 45	0.6	+ 6
5006	+ 5	+ .87	+ 50	0.8	+ 17
5007	+ 3	+ .86	+ 40	0.6	0
5133	+ 3	− .88	+ 8	0.4	− 17
5140	+10	− .93	+ 32	0.5	+ 28
5149	+ 8	− .98	+ 20	0.7	+ 6
5151	+ 5	− .98	+ 19	0.5	+ 6
5362	+ 4	+ .93	+ 3	0.7	− 60
5364	+ 9	+ .92	+ 13	0.5	− 41
5371	+10	+ .87	+ 30	0.6	− 8
5504	+ 2	− .93	− 14	0.6	− 45
5516	+ 4	− .98	+ 16	0.4	+ 11
5724	+ 4	+ .95	+ 41	0.6	+ 24
5739	+ 1	+ .85	+ 37	0.5	+ 19
5867	+ 3	− .91	+ 18	0.9	+ 26

(304) μ Aqil 19h 29.2m +7°10'

J.D.	h	P	m	p	v
	min				
4628	+ 3	+ .98	+ 44	0.8	+".030
4633	+ 2	+ .95	+ 53	0.7	+ 45
4643	+ 8	+ .90	+ 17	0.6	− 23
4649	+ 7	+ .85	+ 30	0.7	0
4653	+ 1	+ .82	+ 18	1.0	− 21
4766	+ 1	− .80	+ 1	1.0	− 21
4769	− 2	− .83	− 17	1.0	− 53
4780	+ 2	− .92	+ 40	0.8	+ 53
4795	+10	− .97	+ 46	0.5	+ 62
4990	− 1	+ .98	+122	0.5	+ 6
4997	− 2	+ .96	+ 95	0.8	− 43
5134	+ 2	− .83	+104	1.0	+ 4
5138	+ 2	− .87	+ 80	0.6	− 39
5149	+ 8	− .93	+106	1.0	+ 4
5156	+ 8	− .96	+110	1.0	+ 11
5359	0	+ .98	+198	0.9	− 23
5363	+ 2	+ .96	+219	1.0	+ 19
5365	+ 3	+ .94	+214	0.8	+ 6
5376	+ 1	+ .88	+224	0.6	+ 26

(305) α Aqil 19h 45.9m +8°36'

J.D.	h	P	m	p	v
	min				
4641	+ 4	+ .93	− 85	0.6	+".034
4642	+ 4	+ .93	− 79	0.9	+ 45
4643	+ 9	+ .92	− 81	0.6	+ 41
4656	+ 6	+ .82	−158	0.8	− 102
4657	− 6	+ .81	−122	0.4	− 34
4658	+ 2	+ .81	−100	0.8	+ 9
4783	− 1	− .90	−199	0.9	+ 6
4785	+ 8	− .92	−163	1.0	+ 75
4786	− 3	− .93	−238	0.6	− 68
4791	− 1	− .95	−198	0.7	+ 6
5157	+11	− .95	+ 75	0.5	− 24
5160	− 4	− .95	+102	0.6	+ 23
5160	0	− .95	+104	0.6	+ 26
5162	+ 7	− .96	+ 96	0.4	+ 11
5377	− 1	+ .89	+482	0.4	+ 13
5381	+ 4	+ .87	+442	0.6	− 60
5382	− 9	+ .86	+453	0.5	− 41
5383	− 7	+ .86	+434	0.6	− 77
5518	− 3	− .93	+363	0.5	− 26
5523	− 9	− .95	+352	0.5	− 49
5524	− 5	− .95	+373	0.7	− 9
5725	− 1	+ .98	+754	0.5	− 9
5729	+ 1	+ .97	+814	1.0	+ 98

No.	Name	α (1900) h m	δ (1900) ° '	DM No.	Vis. M	Spect.	Total μ	Relative Parallax ± p.e.		p.e. I	μ_α from Plates
306	β Ceti	0 38.6	-18 32	115	2.24	Ko	".233	+ ".052 ±	".007	± ".024	+ ".231
307	η Ceti	1 3.6	-10 43	240	3.60	Ko	.250	+ .029	8	27	+ .195
308	89 Pisc	1 12.6	+ 3 5	- 185	5.28	A2	.054	+ .016	5	15	- .066
309	δ Phoe	1 27.1	-49 36	425	3.96	Ko	.195	+ .025	8	29	+ .126
310		1 48.0	-22 56	- 693	8.9	K5	.857	+ .076	9	26	+ .824
311	π Form	1 56.8	-30 29	703	5.39	G5	.150	+ .010	5	16	- .127
312	λ^2 Form	2 32.8	-35 0	903	5.80	G5	.281	+ .055	6	20	- .016
313	ε Ceti	2 34.7	-12 18	501	5.01	F5	.283	+ .066	8	25	+ .141
314	ε Form	2 57.3	-28 28	987	5.90	G5	.498	+ .042	5	18	+ .262
315	ζ^1 Reti	3 15.6	-62 58	- 217	5.48	Go	1.493	+ .064	5	17	+1.246
316	ζ^2 Reti	3 16.0	-62 53	265	5.16	Go	1.488	+ .072	7	23	+1.209
317	ι Reti	3 59.7	-61 22	293	4.81	K5	.110	+ .023	8	26	+ .076
318	BS 1294	4 6.3	-64 30	305	6.44	Go	.394	+ .046	6	20	+ .188
319	δ Horo	4 7.5	-42 15	1400	4.85	Fo	.206	+ .002	8	25	+ .170
320	ζ Dora	5 3.8	-57 37	735	4.76	F8	.111	+ .061	7	21	- .031
321	γ Mens	5 35.8	-76 25	333	5.06	Ko	.316	+ .022	8	26	+ .088
322	δ Dora	5 44.6	-65 46	496	4.52	A5	.036	+ .022	9	27	- .043
323	β Colm	5 47.4	-35 48	2546	3.22	Ko	.397	+ .008	7	20	+ .052
324	BS 2180	6 4.8	-22 24	1327	5.46	Ao	.052	+ .007	6	18	- .003
325	α Mens	6 13.2	-74 43	374	5.14	G5	.242	+ .118	9	28	+ .116
326	δ Mono	6 18.5	+ 4 39	1236	4.48	A5	.009	+ .038	7	22	- .053
327	Pictor	6 34.7	-62 32		Nova		.045	+ .004	7	23	- .003
328	BS 2666	7 0.9	-42 11	2929	5.26	A2	.063	+ .020	6	19	- .009
329	BS 2727	7 9.0	-40 20	2987	5.40	A2	.030	+ .005	6	20	- .052
330	BS 2740	7 9.7	-46 35	2977	4.47	Fo	.170	+ .043	6	19	- .120
331	BS 2834	7 20.9	-31 37	4482	5.44	G5	.021	- .025	7	22	- .029
332	ξ Pupp	7 45.1	-24 37	6030	3.47	Gop	.004	- .002	6	21	- .001
333	27 Mono	7 54.7	- 3 24	2157	5.06	Ko	.046	+ .028	6	19	- .065
334	19 Pupp	8 6.6	-12 38	2385	4.68	Ko	.024	+ .033	8	25	- .033
335	BS 3270	8 14.8	-36 21	4449	4.43	A5	.141	+ .039	5	19	- .124
336	BS 3315	8 20.7	-23 43	7277	5.46	K5	.058	+ .025	9	28	- .033
337	BS 3614	9 0.7	-46 42	4883	3.69	Ko	.071	+ .016	7	23	- .027
338	BS 3862	9 37.7	-23 28	8646	5.04	Go	.471	+ .057	9	28	- .348
339	υ^1 Hyda	9 46.7	-14 23	2963	4.29	Ko	.030	+ .022	8	24	+ .008
340	η Antl	9 54.6	-35 25	6050	5.25	Fo	.094	+ .025	8	26	- .095
341	BS 3992	10 5.2	-35 22	6194	6.28	Go	.433	+ .046	7	22	- .415
342	α Antl	10 22.6	-30 34	8465	4.42	K5	.066	+ .019	8	24	- .052
343	ν Hyda	10 44.7	-15 40	3138	3.32	Ko	.218	+ .015	11	32	+ .108
344	BS 4327	11 2.7	-42 6	+ 6343	5.34	A2p	.074	- .005	9	26	- .083
345	δ Crat	11 14.3	-14 14	+ 3345	3.82	Ko	.231	+ .036	6	20	- .097
346	ε Musc	12 12.2	-67 24	1931	4.16	Mb	.236	+ .041	8	23	- .226
347	BS 4758	12 24.9	-12 50	3647	6.41	Go	.248	+ .044	6	21	- .185
348	21 Virg	12 28.6	- 8 54	3372	5.41	Ao	.081	+ .013	10	29	- .041
349	PGC 3316	12 38.4	-37 9	8082	7.50	Go	.704	+ .039	8	29	- .620
350	49 Virg	13 2.7	-10 12	+ 3628	5.26	Ko	.024	+ .033	10	32	+ .013
351	BS 5002	13 10.5	-66 15	2142	4.78	Ko	.033	+ .002	8	24	+ .004
352	48 Hyda	13 54.4	-24 31	11215	5.80	Fo	.233	+ .025	10	30	- .189
353	θ Cent	14 0.8	-35 53	9260	2.26	Ko	.745	+ .078	10	30	- .501

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
306	- 66	+ 47	.341	- 7	- 52	.394	+ 95	+ 18	.265				11.0	5200	.0000
307	- 44	- 51	.230	- 36	+ 51	.250	+ 22	- 47	.250	+ 50	+ 40	.270	11.7	5200	- 400
308	- 29	+ 2	.435	+ 5	- 59	.214	+ 32	+ 33	.351				10.7	5300	- 400
309	- 45	+ 54	.364	- 33	- 55	.341	+ 93	+ 2	.148	+ 93	- 9	.147	10.7	5450	- 300
310	- 73	+ 50	.110	- 16	- 16	.331	+ 7	- 4	.416	+ 70	+ 10	.143	11.8	5750	0
311	- 34	+ 42	.250	- 4	- 32	.496	+ 41	+ 22	.254				10.2	6100	- 200
312	- 89	- 14	.210	- 16	+ 69	.190	+ 15	- 12	.309	+ 58	- 23	.291	11.3	5900	- 400
313	- 75	+ 23	.190	- 53	+ 38	.238	+ 35	- 57	.256	+ 57	+ 3	.316	10.4	5000	- 400
314	- 75	- 15	.230	- 28	+ 13	.238	+ 40	+ 42	.279	+ 50	- 44	.253	10.7	6100	- 1000
315	- 70	- 17	.311	- 61	+ 32	.171	+ 57	- 38	.320	+ 71	+ 60	.198	10.2	5000	*
316	- 80	- 30	.201	- 70	+ 19	.222	+ 47	- 51	.257	+ 61	+ 47	.320	10.2	5000	*
317	- 49	- 17	.403	+ 21	+ 53	.309	+ 46	- 32	.288				9.5	5100	- 600
318	- 52	+ 11	.215	- 11	- 31	.563	+ 77	+ 67	.222				11.2	6000	- 800
319	- 78	+ 16	.279	- 23	- 36	.301	+ 63	- 12	.227	+ 75	+ 47	.193	10.7	5200	- 400
320	- 59	- 20	.285	+ 18	+ 62	.250	+ 19	- 42	.247	+ 35	+ 2	.218	10.8	6100	- 600
321	- 64	+ 47	.305	- 19	+ 1	.180	+ 4	- 52	.185	+ 67	- 14	.330	10.6	5300	- 500
322	- 68	+ 54	.319	+ 29	- 42	.559	+ 44	+ 54	.122				11.0	5100	- 100
323	- 31	+ 32	.365	- 7	- 28	.371	+ 52	- 5	.264				11.0	5200	- 100
324	- 44	- 9	.315	- 10	- 14	.243	+ 35	+ 41	.248	+ 39	- 20	.194	10.9	5900	- 200
325	- 74	+ 47	.215	- 55	- 45	.243	+ 47	- 15	.276	+ 60	+ 19	.266	11.7	5300	- 600
326	- 80	+ 54	.183	- 79	- 37	.244	+ 52	+ 44	.253	+ 64	- 38	.320	10.9	5100	- 300
327	- 36	- 37	.161	- 29	+ 29	.302	- 1	- 54	.178	+ 41	+ 19	.359	10.	5900	- 400
328	- 45	- 56	.243	- 26	+ 67	.220	+ 14	- 26	.286	+ 50	+ 25	.251	10.6	4900	- 300
329	- 19	+ 58	.300	- 19	- 43	.385	+ 41	- 4	.315				10.7	5000	- 500
330	- 80	+ 33	.244	+ 4	- 18	.318	+ 40	+ 34	.201	+ 42	- 38	.237	10.5	5600	- 600
331	- 56	- 6	.316	- 32	+ 44	.176	+ 42	- 35	.331	+ 53	+ 32	.177	10.8	5500	- 500
332	- 56	- 42	.168	- 44	+ 55	.228	+ 23	- 55	.256	+ 39	+ 25	.348	10.0	5250	- 600
333	- 66	- 22	.259	- 21	+ 54	.202	+ 29	+ 41	.237	+ 48	- 49	.302	10.3	5000	- 500
334	- 62	+ 34	.291	- 53	- 50	.235	+ 43	0	.208	+ 80	+ 8	.266	10.7	5000	- 500
335	- 44	+ 41	.305	- 20	- 45	.200	+ 18	- 55	.201	+ 47	+ 25	.294	9.8	4900	- 300
336	- 62	- 43	.373	- 46	+ 56	.236	+ 87	+ 8	.391				9.9	5000	- 500
337	- 18	+ 42	.264	- 9	- 56	.200	+ 4	- 55	.239	+ 19	+ 45	.297	10.7	5200	- 400
338	- 47	0	.411	- 29	- 6	.046	+ 35	+ 4	.495	+ 73	- 39	.048	10.3	5700	- 300
339	- 25	- 1	.107	- 10	+ 54	.230	- 3	- 65	.376	+ 22	+ 43	.287	12.0	5000	- 500
340	- 44	+ 44	.223	- 22	- 24	.180	+ 10	- 50	.270	+ 33	+ 25	.327	10.9	5200	- 600
341	- 63	+ 46	.247	+ 13	- 66	.222	+ 17	- 50	.256	+ 30	+ 59	.275	11.4	5200	0
342	- 33	+ 32	.260	- 11	- 54	.337	+ 19	- 7	.238	+ 47	+ 70	.165	10.6	4900	- 500
343	- 39	+ 64	.483	- 13	- 60	.187	+ 65	- 60	.330				11.1	5200	- 600
344	- 37	+ 44	.290	- 28	- 16	.258	+ 34	- 11	.225	+ 46	- 28	.227	11.0	5200	- 500
345	- 51	- 51	.155	- 43	+ 24	.248	+ 16	- 48	.226	+ 40	+ 35	.371	10.8	5000	- 700
346	- 58	+ 28	.245	- 54	- 48	.260	+ 45	+ 39	.239	+ 68	- 14	.256	10.4	4900	- 600
347	- 32	+ 70	.218	- 7	- 23	.433	+ 27	- 40	.237	+ 30	+ 38	.112	11.4	6000	- 500
348	- 60	+ 12	.298	- 11	- 26	.404	+ 71	+ 50	.121	+ 78	+ 3	.177	10.7	4900	- 200
349	- 73	+ 4	.250	- 66	- 46	.200	+ 42	+ 74	.302	+ 74	- 58	.248	10.1	6000	*
350	- 64	+ 25	.280	- 34	- 20	.198	+ 28	- 49	.212	+ 62	+ 24	.310	10.8	4900	- 300
351	- 42	+ 45	.309	- 39	- 54	.200	+ 40	- 14	.228	+ 45	0	.263	10.3	5200	- 500
352	- 75	+ 52	.226	- 43	- 18	.175	+ 6	- 52	.258	+ 67	+ 15	.341	11.3	4900	- 600
353	- 47	- 36	.274	- 35	+ 55	.219	+ 21	- 48	.284	+ 64	+ 50	.223	11.3	5100	- 500

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
306	14.8	− 1.45	442.5	+ 2.79	+ 1.79	10.54	10.00	− .0033	+1.4894	+ .0340	− .00041	+ .00335	+ .00277
307	14.7	+ 8.86	221.4	+ 2.83	− 0.11	10.64	10.07	+ 328	+ 6295	+ 165	+ 23	+ 284	+ 152
308	14.5	− 1.80	221.3	+ 2.68	+ 2.94	10.23	9.68	+ 691	− 2188	+ 181	+ 449	− 96	+ 87
309	16.5	− 0.11	402.3	+ 3.32	− 6.07	12.24	11.48	+ 251	+ 7276	+ 97	+ 126	+ 183	+ 135
310	13.2	+ 0.45	160.4	+ 3.22	+ 4.61	9.74	8.83	+ 677	+1.9427	+ 1066	+ 374	+ 1199	+ 403
311	16.0	+ 1.47	159.7	+ 3.04	+ 3.18	12.06	11.43	+ 196	− 2922	+ 43	+ 129	− 185	+ 52
312	14.9	+13.08	298.8	+ 2.21	+ 6.00	10.62	10.23	− 140	− 683	+ 268	− 116	− 24	+ 290
313	13.4	+ 9.13	114.7	+ 0.72	− 2.66	9.60	9.47	+ 1277	+ 2985	+ 339	+ 795	+ 205	+ 350
314	17.0	+ 3.99	263.8	+ 3.45	− 0.57	11.97	11.26	+ 964	+1.0215	+ 395	+ 432	+ 381	+ 223
315	15.0	+ 0.14	155.2	+ 0.40	− 0.72	10.35	10.34	− 451	+ 168	+ 339	− 310	+ 1813	+ 340
316	16.6	+ 0.10	174.0	+ 0.37	+ 1.93	11.06	11.03	+ 301	− 645	+ 421	+ 173	+ 1717	+ 382
317	15.3	+ 6.09	107.4	+ 3.23	+ 2.31	11.03	10.34	− 120	+ 1128	+ 110	− 148	+ 111	+ 120
318	15.5	+13.62	340.6	+ 1.46	+ 6.92	11.16	10.92	+ 792	+ 9828	+ 499	+ 247	+ 274	+ 245
319	13.5	− 9.48	97.4	+ 2.88	− 1.82	9.65	9.04	+ 1133	+ 1453	+ 258	+ 1010	+ 248	+ 12
320	15.0	+ 0.25	166.3	− 0.30	+ 6.93	10.04	9.74	+ 845	− 515	+ 278	+ 571	− 45	+ 326
321	15.0	− 3.34	233.8	+ 1.38	− 5.14	11.03	10.80	+ 1017	+ 2705	+ 158	+ 695	+ 128	+ 116
322	12.9	+ 2.17	150.9	− 0.94	− 2.48	8.87	8.76	+ 108	− 958	+ 111	+ 103	− 63	+ 119
323	12.7	− 5.01	179.3	− 1.02	− 2.39	9.17	9.05	+ 185	+ 1254	+ 1	+ 179	+ 76	+ 41
324	15.3	− 1.60	102.0	+ 0.40	+ 3.02	10.73	10.63	− 73	− 23	+ 34	− 49	− 4	+ 35
325	13.1	+ 2.96	96.4	− 2.58	+ 2.49	9.83	9.22	+ 1110	+ 2058	+ 416	+ 932	+ 169	+ 626
326	14.0	+ 4.17	98.5	+ 0.56	+ 4.65	10.97	10.74	− 45	− 678	+ 185	− 17	− 78	+ 203
327	15.5	− 0.17	103.6	− 0.03	+ 2.09	11.62	11.58	+ 1089	− 48	+ 21	+ 703	− 4	+ 21
328	16.5	+ 1.86	158.4	− 4.38	+ 0.51	11.76	10.59	+ 908	− 86	− 130	+ 579	− 13	+ 106
329	13.6	+ 7.04	91.4	− 3.56	− 3.57	10.29	9.33	+ 1108	− 94	− 250	+ 861	− 76	+ 29
330	13.9	+ 3.41	125.7	− 3.38	+ 2.25	10.71	9.81	+ 778	− 1912	− 19	+ 657	− 174	+ 226
331	14.8	+ 4.40	110.9	+ 0.26	+ 5.22	10.66	10.42	+ 658	− 330	− 150	+ 459	− 42	− 132
332	16.1	− 3.67	266.2	− 3.44	+ 6.20	11.54	10.69	+ 817	− 234	− 185	+ 505	− 2	− 8
333	14.7	+ 3.74	107.6	− 4.36	+ 1.59	10.93	9.57	+ 695	− 786	− 88	+ 541	− 94	+ 148
334	15.4	− 3.55	130.8	− 4.57	+ 0.68	11.30	9.94	+ 196	− 667	+ 119	+ 168	− 47	+ 176
335	18.5	+ 4.43	149.4	− 3.73	+ 0.35	14.04	13.28	+ 1529	− 2285	− 54	+ 912	− 180	+ 208
336	15.1	− 1.79	119.3	− 4.10	+ 1.11	11.36	10.25	+ 1054	− 690	− 153	+ 728	− 48	+ 133
337	16.1	− 5.39	235.3	− 3.26	+10.16	10.95	9.94	+ 818	− 1103	− 112	+ 512	− 39	+ 87
338	16.6	+21.90	317.4	− 3.48	− 5.63	11.47	10.74	− 285	−1.5021	+ 440	+ 560	− 506	+ 304
339	15.0	+ 4.78	117.8	− 4.22	+ 1.89	10.84	9.56	+ 673	+ 387	− 71	+ 478	+ 12	+ 118
340	15.1	+12.84	230.6	− 3.46	+ 1.16	10.77	9.90	+ 392	− 2636	− 14	+ 407	− 138	+ 133
341	16.3	− 4.70	219.5	− 3.50	+ 8.08	11.55	10.57	− 7136	−1.0934	+ 1368	− 4500	− 604	+ 242
342	13.3	− 8.60	88.6	− 1.55	+ 3.05	8.76	8.53	+ 1551	− 1611	− 110	+ 1129	− 76	+ 101
343	12.3	+ 7.86	236.9	− 3.34	+ 1.30	8.75	7.79	+ 1139	+ 4394	− 195	+ 847	+ 157	+ 77
344	13.2	+13.67	212.3	− 2.69	+ 2.94	9.47	8.75	+ 1168	− 1207	− 332	+ 1005	− 121	− 27
345	15.2	− 5.32	122.4	− 3.83	− 0.67	10.45	9.45	+ 350	− 1859	+ 124	+ 230	− 141	+ 194
346	13.7	+ 2.85	86.4	− 2.01	+ 7.88	9.34	8.24	+ 1161	− 2393	− 243	+ 948	− 328	+ 221
347	16.5	+ 6.65	308.8	− 2.05	− 3.03	10.97	10.70	− 802	− 8631	+ 409	− 348	− 270	+ 233
348	13.6	+ 0.16	99.0	− 1.02	+ 4.72	9.42	9.11	+ 358	− 554	+ 8	+ 269	− 60	+ 68
349	16.8	− 3.72	309.6	− 1.83	− 0.36	12.18	11.98	+ 209	− 116	+ 228	+ 146	− 902	+ 210
350	14.5	+ 2.27	100.5	− 0.35	+ 3.70	9.77	9.62	+ 610	+ 354	+ 165	+ 422	+ 19	+ 177
351	13.9	− 2.72	175.5	− 0.75	+ 7.11	9.76	9.44	+ 231	+ 70	+ 5	+ 168	+ 6	+ 13
352	13.7	+ 6.95	93.0	− 0.65	+ 7.14	9.49	8.84	+ 1122	− 1785	− 131	+ 965	− 274	+ 135
353	14.8	− 4.41	112.5	− 3.88	+ 6.89	10.45	9.13	+ 511	− 8025	− 161	+ 236	− 729	+ 414

(306) β Ceti 0h 38.6m −18°32'

J.D.	h	P	m	p	v
	min				
4469	+12	−.60	−257	0.5	+".019
4485	+ 6	−.76	−221	0.4	+ 83
4696	+ 1	+.94	−164	0.8	− 32
4697	0	+.94	−155	0.7	− 15
4704	0	+.93	−149	0.8	− 9
4705	− 2	+.93	−119	0.7	+ 47
4844	− 4	−.70	−108	0.8	+ 64
4848	− 3	−.75	−150	0.8	− 13
5066	+ 4	+.94	+ 6	0.6	+ 56
5070	0	+.93	− 21	0.8	+ 2
5081	+ 1	+.91	− 23	1.0	− 8
5084	− 3	+.89	− 40	0.8	− 41
5212	− 2	−.74	− 40	0.8	− 38
5213	+ 1	−.74	− 38	0.7	− 34
5215	− 5	−.76	− 35	0.8	− 28
5217	+ 3	−.78	− 59	0.6	− 73
5224	0	−.82	− 4	0.3	+ 28
6158	0	+.94	+367	0.5	+ 45
6166	−10	+.93	+351	1.0	+ 9
6167	+ 3	+.93	+317	0.5	− 55
6302	+ 2	−.67	+366	0.9	+ 39

(307) η Ceti 1h 3.6m −10°43'

J.D.	h	P	m	p	v
	min				
4711	+ 1	+.94	−131	0.5	−".019
4713	+ 6	+.94	− 87	0.5	+ 66
4714	− 6	+.93	−135	1.0	− 24
4715	− 1	+.93	−139	0.8	− 32
4844	+ 2	−.64	− 71	0.5	+ 71
4850	+ 5	−.70	− 72	0.8	+ 66
5071	+ 2	+.94	0	0.6	+ 39
5076	− 7	+.94	− 52	0.6	− 62
5212	− 4	−.67	− 11	0.8	− 11
5215	+ 2	−.70	− 37	1.0	− 62
5227	+ 1	−.81	+ 25	0.7	+ 51
5229	+ 5	−.82	− 38	0.5	− 68
5439	+ 1	+.94	+ 73	1.0	− 23
5452	− 1	+.91	+111	0.7	+ 43
5581	+ 4	−.71	+ 85	0.8	− 26
5591	+ 5	−.80	+113	0.8	+ 21
5593	+ 3	−.82	+ 94	0.6	− 13
5805	− 2	+.94	+180	0.9	− 15
5815	− 1	+.92	+192	0.8	+ 4
5816	+ 8	+.91	+219	0.8	+ 51

(308) 89 Pisc 1h 12.6m +3°5'

J.D.	h	P	m	p	v
	min				
4730	− 4	+.89	+121	0.5	+".026
4734	− 1	+.86	+ 96	0.8	− 21
4741	+ 8	+.81	+ 90	0.8	− 30
4750	+15	+.73	+111	0.6	+ 13
4866	+ 2	−.82	+ 75	1.0	− 9
4867	+10	−.83	+ 92	0.5	+ 23
5071	− 2	+.94	+ 88	0.6	+ 24
5076	− 4	+.94	+ 77	0.6	+ 4
5212	− 1	−.64	+ 43	0.8	− 8
5229	+ 5	−.81	+ 42	0.9	− 6
5230	− 4	−.81	+ 51	0.6	+ 11
5460	+ 7	+.89	+ 54	0.8	+ 30
5462	− 1	+.88	+ 30	0.6	− 13
5581	+ 5	−.68	+ 2	0.8	− 19
5583	+ 4	−.70	+ 31	0.8	+ 38
5593	+ 6	−.80	0	0.8	− 19
5804	+ 1	+.94	− 11	0.8	− 28
5805	+ 3	+.94	− 2	0.8	− 11
5806	+ 2	+.94	+ 36	0.6	+ 60
5815	− 3	+.93	− 10	0.8	− 24

(309) δ Phoe 1h 27.1m −49°36'

J.D.	h	P	m	p	v
	min				
4711	+ 3	+.95	− 91	0.6	+".034
4713	+ 3	+.95	−113	0.8	− 6
4714	0	+.95	− 75	0.8	+ 64
4724	+ 1	+.93	− 99	1.0	+ 17
4866	+ 6	−.80	−135	0.5	− 56
5081	+ 3	+.94	− 43	0.7	− 2
5213	+ 3	+.61	− 66	1.0	− 51
5225	+ 6	−.74	− 16	0.7	+ 41
5227	+ 8	−.76	− 68	0.8	− 55
5451	+ 6	+.93	+ 32	0.8	+ 11
5460	+ 8	+.91	− 5	0.7	− 60
5591	+ 6	−.75	+ 49	0.7	+ 39
5593	+ 4	−.77	+ 28	0.8	− 2
5600	+ 5	−.82	− 33	0.4	− 117
5601	+ 8	−.82	+ 33	0.7	+ 8
5815	− 6	+.94	+ 84	0.8	− 21
5816	− 8	+.94	+ 79	0.8	− 26
5956	+ 3	−.75	+106	0.8	+ 21
5957	− 6	−.76	+155	0.8	+ 113
6176	+ 4	+.95	+149	0.8	− 19
6179	+ 2	+.94	+176	0.7	+ 34
6183	− 6	+.93	+144	0.8	− 30

(310) 1h 48.0m −22°56'

J.D.	h	P	m	p	v
	min				
5112	−10	+.84	−690	0.8	+".008
5115	− 5	+.83	−703	0.5	− 21
5230	+ 2	−.74	−636	0.8	− 36
5452	+ 6	+.95	−299	0.6	− 32
5460	+ 3	+.93	−267	0.7	+ 13
5586	+ 7	−.64	−141	0.8	+ 85
5601	+ 7	−.79	−151	0.8	+ 41
5604	+ 3	−.82	−139	0.5	+ 60
5815	− 2	+.95	+156	1.0	+ 6
5824	− 1	+.94	+143	0.6	− 41
5830	− 2	+.91	+166	0.7	− 8
5961	+ 5	−.75	+237	0.9	− 43
5967	+ 7	−.80	+234	0.8	− 58
5969	+ 8	−.81	+256	0.7	− 23
6179	− 1	+.95	+568	0.8	− 41
6183	+ 4	+.95	+606	0.8	+ 21
6184	+ 4	+.95	+637	0.6	+ 75
6204	+ 1	+.87	+627	0.8	+ 19

(311) π Form 1h 56.8m −30°29'

J.D.	h	P	m	p	v
	min				
5481	+ 7	+.84	+143	0.6	+".021
5483	+ 6	+.84	+122	0.8	− 17
5607	+ 2	−.82	+ 96	0.5	− 8
5815	0	+.95	+ 66	1.0	− 9
5816	+ 7	+.95	+ 64	0.7	− 13
5966	+ 6	−.77	+ 31	0.7	− 6
5972	+ 1	−.82	+ 22	0.8	− 21
5973	+ 1	−.83	+ 41	1.0	+ 17
5974	+ 9	−.83	+ 49	1.0	+ 32
6179	− 1	+.95	− 21	0.7	− 45
6181	+ 1	+.95	+ 22	0.8	+ 38
6192	+ 2	+.93	+ 6	1.0	+ 9
6206	+ 5	+.87	+ 7	0.9	+ 17
6323	+ 6	−.69	− 45	0.6	− 24
6325	− 2	−.71	− 50	0.8	− 32
6337	− 3	−.82	− 12	0.7	+ 43
6338	+ 4	−.83	− 51	0.7	− 30
6547	− 3	+.95	− 60	0.7	+ 9
6561	+ 1	+.93	− 58	1.0	+ 17
6564	0	+.91	− 81	1.0	− 24

(312) λ^2 Forn $2^h 32^m.8$ -35°0'

J.D.	h	P	m	p	v
	min				
5132	- 4	+ .80	- 5	0.4	-".064
5250	+ 4	- .83	+ 14	0.7	+ 66
5465	- 5	+ .97	+ 25	0.7	- 2
5483	+ 8	+ .90	+ 21	0.5	- 8
5497	+ 6	+ .80	+ 20	1.0	- 4
5593	+ 5	- .60	+ 2	0.7	+ 45
5612	+ 2	- .80	- 47	0.6	- 38
5615	+ 6	- .83	- 55	0.4	- 49
5833	0	+ .96	+ 13	0.8	- 9
5836	- 1	+ .95	+ 13	0.5	- 11
5839	- 4	+ .94	+ 53	0.3	+ 70
5968	+ 5	- .71	- 40	0.7	- 9
5974	- 4	- .77	- 32	0.8	+ 6
6211	+ 3	+ .91	- 1	1.0	- 15
6325	+ 3	- .61	- 15	0.7	+ 47
6333	0	- .70	- 60	1.0	- 36
6345	+ 6	- .82	- 44	0.8	+ 6
6346	+ 9	- .83	- 75	0.5	- 55
6561	+ 5	+ .97	+ 1	0.8	+ 2
6564	0	+ .95	+ 17	1.0	+ 30
6572	- 2	+ .93	0	1.0	+ 2

(313) ε Ceti $2^h 34^m.7$ -12°18'

J.D.	h	P	m	p	v
	min				
4506	+ 3	- .69	- 10	0.6	+ ".068
4726	- 9	+ .96	+ 27	0.5	- 58
4730	- 2	+ .96	+ 53	0.6	- 9
4734	- 1	+ .96	+ 65	0.6	+ 11
4744	+ 3	+ .94	+ 49	0.7	- 21
4872	- 2	- .70	+ 31	0.6	+ 4
4876	- 1	- .75	- 13	0.8	- 77
4880	+ 3	- .78	+ 67	0.6	+ 73
4886	+ 2	- .83	+ 15	0.5	- 23
5105	+ 1	+ .96	+ 123	0.7	- 24
5108	+ 2	+ .95	+ 171	0.6	+ 70
5122	+ 2	+ .88	+ 123	0.6	- 24
5127	- 1	+ .84	+ 166	0.8	+ 60
5229	+ 2	- .60	+ 95	0.7	- 21
5243	+ 3	- .77	+ 92	1.0	- 19
5246	+ 3	- .79	+ 103	0.6	+ 2
5248	+ 3	- .81	+ 87	0.8	- 28
5460	+ 1	+ .96	+ 192	0.7	- 30
5462	+ 6	+ .97	+ 211	0.6	+ 6
5612	+ 5	- .80	+ 199	0.8	+ 38

(314) ε Forn $2^h 57^m.3$ -28°28'

J.D.	h	P	m	p	v
	min				
5475	+10	+ .96	-170	0.4	+".006
5489	0	+ .91	-169	1.0	+ 2
5497	+ 1	+ .85	-194	0.8	- 49
5509	+ 5	+ .74	-158	0.9	+ 13
5615	+ 1	- .79	-163	0.5	- 8
5624	+ 9	- .85	-119	0.5	+ 71
5849	+ 3	+ .93	- 45	0.8	- 24
5972	+ 9	- .70	- 27	0.8	- 9
5974	+ 6	- .72	- 10	1.0	+ 21
6206	+ 5	+ .96	+114	1.0	+ 17
6211	+ 2	+ .95	+122	0.8	+ 30
6332	+ 7	- .64	+112	0.9	- 9
6333	+ 6	- .65	+ 93	1.0	- 47
6340	+ 2	- .72	+ 93	0.6	- 49
6345	0	- .78	+126	1.0	+ 13
6347	+ 4	- .80	+132	1.0	+ 24
6564	0	+ .97	+237	1.0	- 9
6572	+ 1	+ .96	+257	1.0	+ 23
6587	+ 1	+ .89	+239	1.0	- 19
6588	+ 7	+ .88	+255	1.0	+ 11

(315) ζ^1 Reti $3^h 15^m.6$ -62°58'

J.D.	h	P	m	p	v
	min				
4512	+ 1	- .65	- 18	0.5	+".077
4515	+ 5	- .70	- 60	0.4	+ 2
4527	+ 2	- .81	- 67	0.8	- 4
4531	+ 2	- .85	- 79	0.3	- 24
4742	- 1	+ .98	+ 21	0.8	+ 41
4745	- 1	+ .98	- 3	0.6	- 4
4761	+ 2	+ .93	- 19	0.8	- 32
4768	+ 4	+ .89	- 14	0.8	- 19
4876	- 1	- .65	- 84	0.8	- 55
4886	- 2	- .76	- 72	0.9	- 26
4891	- 3	- .81	- 54	0.8	+ 11
4894	- 2	- .83	- 34	0.5	+ 49
5126	0	+ .93	+ 11	0.6	+ 15
5130	- 3	+ .91	+ 14	0.8	+ 23
5135	- 2	+ .87	- 11	0.7	- 23
5140	+ 6	+ .83	- 13	0.7	- 23
5146	- 6	+ .78	- 3	0.8	- 2
5248	+ 1	- .72	- 56	1.0	- 8
5264	+10	- .87	- 45	0.3	+ 24
5490	- 6	+ .94	+ 22	0.5	+ 28
5612	- 3	- .71	- 55	0.8	- 13
5621	0	- .81	- 41	0.8	+ 21

(316) ζ^2 Reti $3^h 16^m.0$ -62°53'

J.D.	h	P	m	p	v
	min				
4512	+ 1	- .65	+ 37	0.5	+ ".045
4515	+10	- .70	+ 18	0.8	+ 15
4527	+ 9	- .81	+ 28	0.8	+ 41
4531	+ 8	- .85	- 10	0.3	- 26
4745	+ 4	+ .98	+ 55	0.8	- 21
4763	+ 8	+ .93	+ 35	0.8	- 53
4768	+ 9	+ .89	+ 45	0.8	- 30
4770	- 4	+ .87	+ 61	0.8	0
4872	0	- .59	- 6	0.8	- 9
4886	+ 3	- .76	- 10	0.8	- 6
4891	+ 2	- .81	- 30	0.8	- 39
4894	+ 6	- .83	- 1	0.8	+ 19
5118	+ 9	+ .96	+ 79	0.6	+ 56
5134	+ 9	+ .88	+ 47	0.8	+ 2
5135	+ 3	+ .87	+ 89	0.8	+ 85
5144	+ 7	+ .80	+ 47	0.8	+ 9
5146	- 1	+ .78	+ 44	0.8	+ 4
5245	+ 9	- .69	- 37	0.8	- 34
5248	+ 5	- .72	- 47	0.8	- 49
5490	- 1	+ .94	+ 13	0.8	- 39
5612	+ 1	- .71	- 40	0.8	- 9
5621	+ 5	- .81	- 11	0.8	+ 55

(317) ι Reti $3^h 59^m.7$ -61°22'

J.D.	h	P	m	p	v
	min				
4776	+ 3	+ .91	+ 21	0.4	+".115
4780	- 3	+ .88	- 21	0.7	+ 36
4785	+ 1	+ .84	- 56	0.8	- 30
4791	- 2	+ .79	- 58	0.8	- 36
4795	+ 3	+ .74	- 68	0.8	- 53
4891	+ 2	- .71	- 60	0.9	- 24
4894	- 2	- .74	- 61	0.6	- 26
4910	+ 3	- .89	- 2	0.5	+ 85
5129	+ 4	+ .97	+ 19	0.7	- 36
5133	+ 5	+ .95	+ 37	0.7	+ 68
5134	+ 3	+ .95	- 31	0.6	+ 58
5248	+ 5	- .61	+ 20	1.0	+ 49
5255	+ 2	- .69	- 18	1.0	- 23
5265	+ 1	- .81	+ 1	1.0	+ 15
5266	+ 4	- .82	- 5	0.8	+ 2
5273	- 4	- .86	- 38	0.6	- 60
5489	- 4	+ .98	+ 42	0.8	+ 4
5496	+ 5	+ .96	+ 44	1.0	+ 6
5497	- 2	+ .96	+ 28	1.0	- 24
5501	+ 8	+ .94	+ 36	0.6	- 9

(318) BS 1294 $4^h 6^m.3$ -64°30'

J.D.	h	P	m	p	v
	min				
5154	- 5	+ .82	- 218	0.3	- ".058
5256	+ 1	- .69	- 180	0.8	+ 30
5496	+ 4	+ .97	- 71	0.6	+ 34
5497	- 2	+ .97	- 73	0.5	+ 32
5518	- 4	+ .83	- 113	0.6	- 49
5524	+ 1	+ .77	- 83	0.5	+ 6
5621	+ 2	- .69	- 95	0.6	+ 4
5627	+ 2	- .75	- 80	0.7	+ 28
5853	- 2	+ .99	- 11	0.5	- 38
5991	+ 3	- .74	+ 14	1.0	+ 17
5997	- 4	- .81	- 19	0.7	- 41
6006	+ 4	- .87	- 8	0.5	- 26
6235	+ 8	+ .93	+ 84	0.6	- 51
6237	+ 2	+ .93	+ 98	0.7	- 28
6345	+ 2	- .61	+ 136	1.0	+ 58
6363	+ 3	- .81	+ 103	1.0	0
6371	+ 4	- .88	+ 74	0.7	- 60
6588	+ 3	+ .98	+ 223	0.7	+ 24
6595	+ 4	+ .95	+ 231	0.8	+ 39
6596	0	+ .95	+ 216	1.2	+ 9
6599	+ 1	+ .93	+ 216	0.8	+ 8
6721	+ 3	- .73	+ 185	0.7	- 28

(319) δ Horo $4^h 7^m.5$ -42°15'

J.D.	h	P	m	p	v
	min				
4767	0	+ .96	- 30	0.7	- ".047
4769	- 6	+ .96	+ 14	0.6	+ 36
4774	+ 1	+ .94	- 18	0.8	- 26
4797	- 8	+ .74	- 15	0.6	- 32
4886	- 2	- .63	+ 2	0.8	- 38
4894	- 1	- .72	+ 22	0.8	- 4
4910	+ 4	- .87	+ 72	0.6	+ 83
5125	+ 4	+ .99	+ 161	0.4	+ 147
5130	+ 3	+ .98	+ 97	1.0	+ 23
5134	0	+ .96	+ 112	0.5	+ 49
5140	+ 3	+ .94	+ 69	0.6	- 34
5249	+ 5	- .60	+ 121	0.8	+ 17
5264	+ 4	- .77	+ 124	1.0	+ 15
5265	- 2	- .78	+ 115	1.0	- 2
5268	0	- .82	+ 89	0.7	- 53
5509	- 2	+ .91	+ 179	0.6	0
5511	+ 4	+ .90	+ 168	0.6	- 21
5518	- 1	+ .83	+ 171	0.8	- 19
5523	+ 5	+ .79	+ 175	0.6	- 13

(320) ζ Dora $5^h 3^m.8$ -57°37'

J.D.	h	P	m	p	v
	min				
5548	- 12	+ .65	+ 88	0.7	- ".028
5641	+ 4	- .77	+ 69	0.8	+ 30
5644	0	- .81	+ 45	0.7	- 13
5651	+ 9	- .87	+ 25	0.8	- 45
5658	+ 3	- .92	+ 101	0.3	+ 102
5887	+ 9	+ .92	+ 131	0.7	+ 64
5890	+ 5	+ .90	+ 93	0.3	- 6
5901	+ 9	+ .79	+ 94	0.7	+ 4
5903	+ 4	+ .78	+ 60	0.8	- 58
5997	0	- .66	+ 45	0.8	+ 6
6014	0	- .85	+ 43	0.8	+ 19
6246	+ 7	+ .96	+ 80	0.8	- 2
6266	+ 4	+ .80	+ 84	0.9	+ 17
6270	+ 4	+ .75	+ 76	0.6	+ 6
6365	0	- .69	+ 13	1.0	- 19
6371	0	- .76	- 5	0.9	- 47
6382	0	- .87	+ 24	1.0	+ 15
6386	- 4	- .90	+ 24	0.7	+ 17
6619	+ 1	+ .90	+ 74	1.0	+ 23
6630	+ 5	+ .81	+ 47	0.7	- 23

(321) γ Mens $5^h 35^m.8$ -76°25'

J.D.	h	P	m	p	v
	min				
4791	+ 2	+ .96	+ 36	0.7	+ ".038
4795	+ 2	+ .94	+ 5	0.5	- 19
4801	0	+ .91	+ 16	0.8	0
4809	+ 2	+ .83	+ 48	0.3	+ 60
4814	+ 1	+ .78	- 17	0.8	- 64
4922	+ 3	- .82	+ 26	0.7	+ 26
4924	+ 2	- .85	+ 22	1.0	+ 21
4927	+ 2	- .86	- 22	0.6	- 64
5159	+ 1	+ .95	+ 22	0.6	- 75
5163	+ 2	+ .93	+ 72	0.6	+ 17
5175	- 1	+ .83	+ 77	0.8	+ 24
5178	+ 5	+ .79	+ 88	0.5	+ 49
5291	+ 3	- .86	+ 69	1.0	+ 19
5303	+ 4	- .94	+ 69	0.8	+ 21
5518	- 5	+ .98	+ 106	0.4	- 6
5646	+ 7	- .76	+ 96	0.8	- 15
5650	+ 6	- .80	+ 76	0.8	- 55
5663	+ 9	- .92	+ 114	1.0	+ 17
5903	+ 9	+ .85	+ 187	0.8	+ 58
5910	+ 9	+ .78	+ 117	0.8	- 75
5918	- 8	+ .69	+ 179	0.7	+ 41

(322) δ Dora $5^h 44^m.6$ -65°46'

J.D.	h	P	m	p	v
	min				
4553	+ 3	- .76	+ 49	0.8	+ ".024
4558	+ 6	- .82	+ 28	0.4	- 11
4797	- 5	+ .95	+ 24	0.4	- 30
4800	- 1	+ .93	+ 64	0.7	+ 45
4817	- 7	+ .77	+ 61	0.4	+ 43
4820	+ 3	+ .73	+ 8	1.0	- 55
4922	+ 4	- .80	0	0.8	- 21
4924	- 1	- .83	- 6	1.0	- 32
4928	- 4	- .86	+ 59	0.6	+ 88
5159	- 2	+ .96	- 49	0.3	- 124
5175	- 4	+ .85	+ 5	0.8	- 19
5178	0	+ .82	- 31	0.3	- 86
5193	+ 3	+ .65	+ 44	0.8	+ 58
5285	+ 2	- .77	- 15	0.6	- 8
5294	0	- .86	+ 10	0.6	+ 41
5304	+ 2	- .94	- 12	0.4	+ 2
5543	+ 7	+ .82	+ 23	0.7	+ 58
5545	+ 1	+ .80	+ 4	0.6	+ 21
5657	+ 1	- .85	- 49	1.0	- 26
5670	+ 4	- .94	- 48	0.7	- 21

(323) β Colm $5^h 47^m.4$ -35°48'

J.D.	h	P	m	p	v
	min				
4536	- 10	- .53	- 32	0.8	+ ".006
4550	+ 11	- .72	- 27	0.8	+ 13
4800	+ 1	+ .93	- 18	0.8	- 19
4802	+ 4	+ .92	+ 8	0.8	+ 30
4809	+ 1	+ .86	- 10	0.5	- 4
4817	- 6	+ .79	+ 21	0.4	+ 55
4922	+ 5	- .79	- 31	1.0	- 47
5159	+ 1	+ .96	+ 15	0.6	- 8
5291	+ 4	- .83	+ 9	0.9	- 24
5304	+ 7	- .93	+ 19	0.8	- 6
5307	+ 2	- .95	+ 21	0.8	- 2
5308	+ 2	- .96	+ 45	0.5	+ 43
5524	+ 1	+ .96	+ 48	0.4	+ 4
5527	+ 1	+ .95	+ 51	0.6	+ 8
5530	+ 3	+ .94	+ 33	0.8	- 26
5546	- 1	+ .80	+ 24	0.4	- 43
5640	+ 7	- .64	+ 56	0.6	+ 15
5644	+ 4	- .70	+ 100	0.6	+ 96
5662	+ 4	- .88	+ 29	0.6	- 36

(324) BS 2180 $6^h 4^m.8$ -22°24'

J.D.	h	P	m	p	v
	min				
5551	- 7	+ .78	+ 6	0.7	+".013
5553	- 8	+ .77	+ 3	1.0	+ 8
5560	- 8	+ .69	+ 6	0.9	+ 15
5561	+ 2	+ .68	+ 15	0.5	+ 30
5649	+10	- .71	- 4	0.7	+ 4
5658	- 6	- .81	+ 5	0.6	+ 23
5663	- 1	- .86	- 21	0.8	- 26
5676	- 1	- .95	- 10	1.0	- 6
5896	+ 2	+ .95	- 5	0.6	- 6
5910	0	+ .85	- 13	0.8	- 21
5922	- 3	+ .73	- 34	0.8	- 60
6026	0	- .83	- 21	0.8	- 23
6028	+ 4	- .86	- 16	1.0	- 13
6031	+ 1	- .87	- 24	0.6	- 30
6039	+ 3	- .94	+ 9	0.8	+ 34
6040	- 6	- .94	+ 9	0.8	+ 34
6262	- 1	+ .95	- 29	0.6	- 49
6272	+ 1	+ .88	+ 10	0.8	+ 24
6276	- 2	+ .85	- 5	0.8	- 4
6287	+ 5	+ .73	+ 29	0.7	+ 60

(325) α Mens $6^h 13^m.2$ -74°43'

J.D.	h	P	m	p	v
	min				
4829	- 1	+ .71	+ 67	0.4	+".017
4943	+ 3	- .93	- 16	0.6	+ 17
4944	+ 1	- .93	- 65	0.7	- 77
4947	+ 1	- .95	- 58	0.6	- 60
4949	+ 2	- .96	- 25	0.7	+ 2
5175	0	+ .90	+155	0.6	+ 51
5187	+ 5	+ .79	+100	0.5	- 43
5193	+ 2	+ .73	+182	0.7	+ 113
5194	- 1	+ .71	+120	0.5	+ 2
5302	+ 2	- .88	+ 57	0.6	+ 36
5307	+ 1	- .92	+ 20	0.8	- 30
5312	+ 4	- .95	+ 68	1.0	+ 60
5543	+ 6	+ .88	+174	0.8	- 30
5547	+ 3	+ .84	+156	0.6	- 60
5548	+ 3	+ .83	+181	0.8	- 11
5549	+ 5	+ .82	+165	0.5	- 39
5655	+ 6	- .76	+ 86	0.7	- 36
5659	- 5	- .81	+ 99	0.7	- 9
5663	+ 4	- .85	+109	0.7	+ 15
5678	+ 2	- .95	+130	0.6	+ 60

(326) 8 Mono $6^h 18^m.5$ +4°39'

J.D.	h	P	m	p	v
	min				
4558	+ 6	- .73	+ 35	0.5	+".017
4800	- 8	+ .97	+ 31	0.7	- 19
4802	- 4	+ .95	- 4	0.5	- 83
4804	- 8	+ .95	+ 65	0.5	+ 45
4813	+ 2	+ .89	+ 71	0.6	+ 62
4943	0	- .92	- 12	0.8	- 6
4949	+ 2	- .95	- 11	0.9	- 4
4953	+ 6	- .97	+ 22	0.5	+ 60
4954	+ 5	- .97	- 29	0.8	- 34
5178	+ 3	+ .90	- 8	0.8	- 34
5185	+ 1	+ .83	+ 1	1.0	- 13
5187	+ 4	+ .81	+ 19	0.8	+ 21
5195	+ 6	+ .73	+ 20	0.4	+ 26
5285	+ 6	- .68	- 39	0.8	- 17
5304	- 1	- .88	- 41	0.7	- 11
5307	+ 5	- .91	- 75	0.6	- 73
5312	+ 2	- .94	- 8	1.0	+ 55
5546	+ 7	+ .87	- 13	0.6	+ 11
5547	+ 6	+ .86	- 17	0.9	+ 4
5549	+ 9	+ .84	- 15	0.6	+ 9

(327) Pictor $6^h 34^m.7$ -62°32'

J.D.	h	P	m	p	v
	min				
5542	+ 4	+ .92	+ 69	0.5	-".009
5543	+ 4	+ .92	+ 93	0.8	+ 38
5547	0	+ .89	+ 44	0.8	- 55
5549	+ 3	+ .87	+ 48	0.6	- 47
5655	+ 3	- .71	+ 80	1.1	+ 19
5670	+ 9	- .86	+ 79	0.7	+ 17
5684	+ 7	- .96	+ 80	0.7	+ 21
5687	+ 2	- .97	+ 74	1.0	+ 9
5906	+ 3	+ .93	+ 91	0.6	+ 36
5918	+ 3	+ .84	+ 90	0.8	+ 34
5923	0	+ .79	+ 64	0.9	- 17
6029	0	- .80	+ 57	1.0	- 19
6035	0	- .86	+ 84	0.8	+ 32
6047	+ 1	- .94	+ 89	0.8	+ 41
6048	+ 2	- .95	+ 37	0.8	- 58
6050	+ 1	- .96	+ 33	0.7	- 64
6273	+ 1	+ .92	+ 94	0.7	+ 43
6274	+ 7	+ .91	+ 47	0.7	- 45
6292	+ 5	+ .74	+ 66	0.7	- 8
6303	+ 1	+ .61	+ 81	0.8	+ 21

(328) BS 2666 $7^h 0^m.9$ -42°11'

J.D.	h	P	m	p	v
	min				
4471	+ 8	+ .75	+ 54	0.3	-".032
4475	- 5	+ .71	+ 75	0.4	+ 8
4479	+10	+ .66	+ 61	0.3	- 17
4484	- 2	+ .59	+102	0.4	+ 62
4566	+ 4	- .71	+ 37	1.0	- 32
4576	+10	- .82	+ 68	0.7	+ 28
4592	+ 9	- .94	+ 30	1.0	- 41
4594	+ 9	- .95	+ 65	1.0	+ 24
4595	+ 4	- .96	+ 77	1.0	+ 47
4829	0	+ .83	+ 67	0.4	- 2
4830	- 4	+ .82	+ 41	0.8	- 51
4842	- 7	+ .68	+ 63	0.8	- 4
4943	0	- .83	+ 59	0.6	+ 21
4944	- 1	- .84	+ 40	0.8	- 15
4954	- 5	- .92	+ 36	0.7	- 21
5185	+ 3	+ .90	+ 83	0.8	+ 36
5187	+ 1	+ .89	+ 83	0.6	+ 38
5204	0	+ .72	+ 62	0.4	0
5205	0	+ .71	+ 54	1.0	- 15
5306	+ 5	- .82	+ 61	0.8	+ 32
5318	+ 1	- .91	+ 24	1.0	- 36
5320	+ 1	- .93	+ 37	1.0	- 11
5325	+ 3	- .96	+ 55	0.7	+ 23

(329) BS 2727 $7^h 9^m.0$ -40°20'

J.D.	h	P	m	p	v
	min				
4601	- 1	- .97	+122	0.4	+".017
4605	+ 8	- .99	+140	0.7	+ 51
4606	+ 7	- .99	+132	0.7	+ 36
4820	- 1	+ .92	+ 77	0.7	- 49
4829	- 4	+ .84	+ 90	0.7	- 21
4842	- 8	+ .71	+114	1.0	+ 26
4945	- 3	- .83	+ 64	0.9	- 45
4947	- 1	- .85	+ 54	1.0	- 64
4951	- 6	- .88	+ 79	0.4	- 17
5186	- 7	+ .91	+ 82	0.5	+ 13
5195	- 2	+ .84	+101	0.3	+ 51
5204	- 3	+ .74	+ 75	0.5	+ 4
5205	0	+ .73	+ 79	0.8	+ 11
5206	0	+ .72	+ 71	0.7	- 2
5307	- 1	- .81	+ 75	1.0	+ 26
5318	- 2	- .90	+ 69	0.8	+ 19
5327	+ 1	- .96	+ 53	1.0	- 9
5329	0	- .96	+ 57	0.7	- 2
5330	- 3	- .97	+ 61	0.8	+ 6

(330) BS 2740 $7^h 9^m.7$ -46°35'

J.D.	h	P	m	p	v
	min				
4965	- 5	- .97	+ 165	0.4	+ ".023
5210	- 3	+ .68	+ 183	0.4	+ 64
5213	- 2	+ .63	+ 162	0.5	+ 30
5307	+ 3	- .81	+ 85	1.0	- 26
5312	- 1	- .85	+ 67	0.8	- 56
5318	+ 4	- .90	+ 91	0.7	- 8
5330	+ 1	- .97	+ 110	0.7	+ 38
5551	- 9	+ .91	+ 87	0.6	- 17
5553	- 5	+ .90	+ 105	0.6	+ 21
5560	- 1	+ .84	+ 87	0.4	- 9
5571	- 2	+ .72	+ 92	0.6	+ 11
5673	- 2	- .81	+ 26	0.8	- 17
5691	+ 4	- .95	+ 19	1.0	- 19
5695	+ 2	- .96	+ 40	1.0	+ 24
5918	- 3	+ .90	+ 17	0.6	- 24
5921	- 2	+ .88	+ 20	0.8	- 19
5923	+ 3	+ .86	+ 24	0.8	- 9
6039	- 7	- .82	- 4	0.8	+ 47
6055	- 6	- .94	- 54	0.7	- 38
6063	+ 2	- .98	- 15	0.7	+ 43

(331) BS 2834 $7^h 20^m.9$ -31°37'

J.D.	h	P	m	p	v
	min				
4965	- 1	- .95	+ 114	0.5	+ ".062
5195	- 2	+ .86	+ 81	0.5	+ 62
5196	+ 6	+ .86	+ 11	0.3	- 70
5198	+ 1	+ .83	+ 53	0.8	+ 9
5210	+ 1	+ .71	+ 33	0.6	- 30
5213	- 2	+ .67	+ 30	0.5	- 34
5312	+ 1	- .82	+ 59	0.8	- 11
5330	+ 4	- .96	+ 71	0.8	+ 9
5339	+ 3	- .99	+ 89	0.6	+ 43
5340	+ 6	- .99	+ 45	0.6	- 39
5560	+ 3	+ .86	+ 19	0.8	- 24
5568	0	+ .79	+ 34	0.8	+ 4
5570	+ 5	+ .76	+ 51	0.5	+ 34
5571	+ 4	+ .76	+ 11	0.7	- 41
5676	+ 2	- .81	+ 47	0.8	- 4
5691	+ 4	- .93	+ 28	0.8	- 41
5695	0	- .95	+ 27	0.9	- 43
5697	+ 6	- .96	+ 79	0.8	+ 55
5921	+ 2	+ .89	+ 43	0.8	+ 51
5940	+ 8	+ .71	+ 25	1.0	+ 11
5943	0	+ .67	+ 16	0.9	- 4

(332) ξ Pupp $7^h 45^m.1$ -24°37'

J.D.	h	P	m	p	v
	min				
4486	- 4	+ .70	+ 82	0.6	+ ".058
4584	+ 4	- .79	+ 53	0.8	+ 2
4592	+ 5	- .86	+ 34	0.9	- 36
4594	+ 9	- .88	+ 66	0.8	+ 26
4598	+ 8	- .91	+ 58	0.8	+ 9
5204	- 2	+ .82	+ 53	0.8	+ 8
5206	0	+ .80	+ 56	0.6	+ 11
5213	- 1	+ .73	+ 37	0.5	- 23
5215	+ 9	+ .71	+ 44	0.8	- 11
5217	+ 1	+ .69	+ 26	0.8	- 43
5318	+ 2	- .82	+ 53	0.8	+ 2
5329	+ 4	- .91	+ 31	0.8	- 38
5332	+ 5	- .93	+ 36	0.8	- 30
5340	+ 1	- .97	+ 47	0.8	- 8
5568	+ 4	+ .84	+ 24	0.7	- 49
5570	+ 5	+ .81	+ 26	0.6	- 41
5571	0	+ .81	+ 96	0.5	+ 88
5576	+ 7	+ .76	+ 69	0.7	+ 39
5690	+ 9	- .88	+ 67	1.0	+ 30
5695	+ 2	- .92	+ 56	1.0	+ 11
5705	+ 4	- .97	+ 59	1.0	+ 15

(333) 27 Mono $7^h 54^m.7$ -3°24'

J.D.	h	P	m	p	v
	min				
4611	- 5	- .96	+ 87	0.7	+ ".017
4619	+ 4	- .98	+ 69	0.8	- 11
4621	+ 7	- .98	+ 78	0.9	+ 6
4622	- 1	- .98	+ 48	0.6	- 51
4840	+ 1	+ .83	+ 90	0.7	+ 17
4848	+ 5	+ .75	+ 68	0.4	- 21
4859	+ 2	+ .62	+ 95	1.0	+ 36
4860	- 6	+ .61	+ 88	0.6	+ 23
4965	+ 3	- .90	+ 47	0.7	+ 6
4977	+ 3	- .97	+ 48	0.5	+ 11
4980	+ 2	- .98	+ 29	0.8	- 23
5205	+ 4	+ .83	+ 9	1.0	- 71
5213	- 2	+ .76	+ 53	0.5	+ 15
5217	+ 1	+ .71	+ 68	0.8	+ 43
5223	- 1	+ .63	+ 32	0.7	- 21
5318	+ 7	- .80	+ 21	0.8	+ 17
5330	+ 2	- .90	- 7	1.0	- 32
5332	- 1	- .91	+ 11	0.6	+ 2
5340	- 1	- .96	+ 28	0.8	+ 38
5341	- 3	- .96	+ 14	0.8	+ 11

(334) 19 Pupp $8^h 6^m.6$ -12°38'

J.D.	h	P	m	p	v
	min				
4475	+ 4	+ .85	+ 36	0.5	- ".039
4484	- 4	+ .77	+ 76	0.4	+ 39
4592	+ 6	- .81	+ 29	0.8	+ 13
4594	+ 8	- .83	+ 12	0.8	- 17
4604	+ 6	- .90	+ 43	0.8	+ 45
4611	- 5	- .95	- 3	0.8	- 39
4848	+ 4	+ .78	+ 79	0.4	+ 77
4849	- 2	+ .77	- 2	0.8	- 75
4850	- 1	+ .76	+ 81	0.6	+ 85
4965	+ 2	- .87	- 9	0.8	- 24
4980	+ 3	- .96	- 17	0.8	- 34
4982	+ 2	- .97	+ 14	0.9	+ 24
4983	+ 2	- .97	+ 8	0.8	+ 13
5213	- 3	+ .78	+ 26	0.6	+ 9
5217	- 1	+ .75	+ 35	0.8	+ 30
5223	+ 1	+ .67	- 15	1.0	- 62
5224	- 1	+ .66	+ 33	0.6	+ 28
5325	+ 4	- .84	- 26	0.8	- 24
5336	- 1	- .91	- 10	0.8	+ 11
5341	+ 3	- .94	- 15	0.8	+ 2
5347	- 6	- .97	- 3	0.8	+ 24

(335) BS 3270 $8^h 14^m.8$ -36°21'

J.D.	h	P	m	p	v
	min				
4475	+ 2	+ .86	+ 225	0.5	+ ".071
4479	+ 1	+ .84	+ 211	0.5	+ 51
4584	+ 2	- .71	+ 124	1.0	- 17
4594	+ 6	- .81	+ 116	1.0	- 24
4600	0	- .86	+ 107	0.8	- 38
4611	- 2	- .94	+ 138	1.0	+ 28
4618	+ 4	- .96	+ 121	1.0	- 2
4842	- 5	+ .85	+ 101	1.0	- 34
4849	- 5	+ .79	+ 97	0.8	- 38
4850	+ 2	+ .78	+ 110	1.0	- 11
4860	+ 1	+ .67	+ 121	0.8	+ 17
4982	+ 9	- .96	+ 46	0.9	- 19
4983	+ 2	- .96	+ 64	0.7	+ 15
4984	- 1	- .96	+ 76	0.8	+ 38
4991	- 4	- .98	+ 63	0.8	+ 13
5204	- 4	+ .87	+ 75	0.5	+ 39
5205	- 2	+ .86	+ 65	0.7	+ 21
5206	0	+ .86	+ 55	0.8	+ 2
5215	- 2	+ .78	+ 34	1.0	- 30
5329	+ 2	- .85	- 27	0.7	- 43
5340	+ 6	- .93	+ 6	0.6	+ 24
5348	+ 5	- .96	- 16	0.7	- 11
5350	+ 5	- .97	+ 7	0.9	+ 30

(336) BS 3315 $8^h 20^m.7$ -23°43'

J.D.	h	P	m	p	v
	min				
4495	+ 4	+ .69	+ 130	0.7	+ ".047
4597	+ 7	- .83	+ 73	0.8	- 15
4600	+ 4	- .85	+ 75	0.7	- 11
4618	+ 7	- .96	+ 87	0.8	+ 17
4620	+ 4	- .96	+ 112	0.7	+ 64
4850	+ 1	+ .79	+ 85	0.7	- 11
4860	+ 2	+ .69	+ 82	0.8	- 13
4863	- 9	+ .64	+ 72	0.8	- 30
4976	+ 5	- .93	+ 61	0.7	- 2
4980	0	- .95	+ 31	0.7	- 55
4992	0	- .98	+ 77	0.6	+ 32
4993	- 1	- .98	+ 21	1.0	- 73
5206	- 2	+ .87	+ 124	0.7	+ 92
5213	+ 3	+ .81	+ 36	0.5	- 71
5214	+ 2	+ .80	+ 51	1.0	- 41
5217	+ 3	+ .78	+ 87	0.7	+ 26
5329	+ 2	- .84	+ 38	0.7	- 15
5340	+ 4	- .92	+ 44	0.9	- 2
5348	+ 8	- .95	+ 55	0.9	+ 23
5355	+ 2	- .97	+ 82	0.7	+ 75

(337) BS 3614 $9^h 0^m.7$ -46°42'

J.D.	h	P	m	p	v
	min				
4611	+ 1	- .85	+ 79	0.5	+ ".021
4618	+ 3	- .90	+ 52	1.0	- 26
4622	+ 4	- .91	+ 48	1.0	- 32
4623	0	- .92	+ 49	0.8	- 30
4865	0	+ .73	+ 111	0.4	+ 77
4873	+ 5	+ .62	+ 64	0.5	- 11
4876	+ 1	+ .59	+ 88	1.0	+ 36
4978	+ 3	- .86	+ 53	0.9	0
4987	+ 5	- .92	+ 95	0.7	+ 83
5223	+ 3	+ .80	+ 53	0.8	- 8
5229	+ 5	+ .74	+ 42	0.6	- 28
5234	+ 9	+ .68	+ 54	0.8	- 4
5235	+ 3	+ .66	+ 78	0.8	+ 41
5339	+ 1	- .83	+ 17	0.6	- 43
5350	- 2	- .90	+ 63	0.8	+ 49
5356	- 4	- .94	+ 8	0.6	- 55
5583	- 2	+ .84	+ 15	0.6	- 55
5593	+ 4	+ .75	+ 36	0.9	- 13
5597	+ 5	+ .70	+ 29	0.6	- 24
5714	0	- .90	+ 14	0.6	- 17
5718	0	- .92	+ 24	1.0	+ 2
5724	+ 3	- .95	+ 55	0.6	+ 58

(338) BS 3862 $9^h 37^m.7$ -23°28'

J.D.	h	P	m	p	v
	min				
5011	+ 3	- .95	+ 379	0.4	+ ".006
5247	0	+ .63	+ 296	0.6	- 17
5248	+ 2	+ .61	+ 263	0.8	- 77
5361	+ 3	- .90	+ 190	0.6	- 21
5377	+ 2	- .95	+ 217	0.7	+ 51
5378	+ 5	- .96	+ 203	0.6	+ 24
5384	+ 6	- .96	+ 175	0.6	- 23
5593	+ 6	+ .82	+ 109	0.5	- 49
5601	+ 5	+ .75	+ 174	0.6	+ 85
5611	- 1	+ .64	+ 168	0.5	+ 90
5613	+ 2	+ .61	+ 140	0.8	+ 38
5731	+ 5	- .93	- 6	0.8	- 34
5741	- 8	- .95	+ 19	0.6	+ 24
5742	- 8	- .96	+ 4	0.8	- 4
5968	+ 3	+ .73	- 100	0.7	- 79
5974	+ 4	+ .67	- 79	1.0	- 30
6102	0	- .95	- 158	1.0	+ 34
6103	+ 1	- .95	- 173	1.0	+ 8
6332	0	+ .74	- 230	1.0	+ 23
6344	+ 3	+ .60	- 228	1.0	+ 47
6453	+ 5	- .89	- 387	1.0	- 66
6460	- 2	- .92	- 357	1.0	0

(339) υ^1 Hyda $9^h 46^m.7$ -14°23'

J.D.	h	P	m	p	v
	min				
4527	+ 12	+ .52	+ 23	0.4	- ".047
4636	+ 7	- .92	+ 47	1.0	+ 26
4639	+ 7	- .93	+ 68	0.6	+ 66
4641	+ 1	- .93	+ 10	0.7	- 43
4649	+ 2	- .95	+ 19	0.8	- 26
4865	+ 3	+ .82	+ 94	0.7	+ 71
4876	+ 4	+ .72	+ 24	0.9	- 56
4886	- 1	+ .60	+ 89	0.5	+ 66
4998	+ 9	- .90	+ 48	0.9	+ 21
4999	+ 7	- .91	+ 32	1.0	- 9
5000	+ 3	- .91	+ 14	0.8	- 43
5234	+ 6	+ .78	+ 61	1.0	+ 4
5235	+ 1	+ .77	+ 41	0.7	- 36
5244	+ 2	+ .69	+ 49	0.9	- 19
5245	+ 3	+ .67	+ 74	0.8	+ 28
5364	+ 5	- .91	+ 37	0.8	- 8
5371	+ 4	- .93	+ 52	0.9	+ 21
5376	0	- .95	+ 29	0.8	- 23
5383	+ 6	- .95	+ 53	0.8	+ 24

(340) η Antl $9^h 54^m.6$ -35°25'

J.D.	h	P	m	p	v
	min				
4649	+ 4	- .95	+ 117	0.7	+ ".026
4650	+ 2	- .95	+ 99	0.9	- 9
4651	+ 5	- .95	+ 100	0.7	- 8
4876	+ 2	+ .73	+ 89	0.6	- 13
4886	+ 5	+ .62	+ 105	0.5	+ 24
5000	+ 7	- .90	+ 52	0.8	- 8
5004	+ 3	- .92	+ 77	0.7	+ 39
5235	+ 4	+ .79	+ 69	0.7	+ 41
5242	+ 1	+ .73	+ 46	0.8	+ 2
5244	+ 5	+ .71	+ 22	0.7	- 39
5245	+ 7	+ .68	+ 61	0.7	+ 32
5371	+ 3	- .92	- 42	0.7	- 88
5377	+ 3	- .94	- 19	0.8	- 41
5601	+ 4	+ .78	- 2	0.6	+ 4
5611	+ 4	+ .68	- 1	0.5	+ 11
5613	+ 5	+ .66	+ 21	0.6	+ 55
5615	+ 6	+ .64	- 59	0.8	- 98
5731	+ 8	- .90	- 35	0.7	+ 17
5738	+ 3	- .93	- 45	1.0	0
5746	+ 2	- .95	- 9	0.9	+ 71
5750	+ 8	- .95	- 52	0.7	- 6

(341) BS 3992 $10^h 5^m.2$ -35°22'

J.D.	h	P	m	p	v
	min				
4655	- 3	- .95	- 156	0.8	- ".023
4656	- 1	- .95	- 116	1.0	+ 55
4657	- 2	- .95	- 156	0.7	- 19
4658	0	- .95	- 165	1.0	- 36
4876	+ 4	+ .75	- 249	0.7	- 23
4889	+ 2	+ .61	- 253	0.5	- 11
4891	- 4	+ .59	- 294	0.5	- 85
5003	+ 7	- .90	- 322	0.7	+ 58
5011	- 2	- .93	- 361	0.8	- 4
5235	+ 4	+ .81	- 417	0.7	+ 64
5242	+ 4	+ .75	- 470	1.0	- 24
5248	+ 9	+ .68	- 464	0.7	- 2
5249	- 5	+ .67	- 453	0.9	+ 21
5255	+ 1	+ .60	- 462	0.9	+ 11
5376	+ 5	- .93	- 556	0.9	+ 43
5381	0	- .94	- 575	1.0	+ 13
5601	0	+ .80	- 660	0.6	+ 24
5613	0	+ .68	- 690	0.7	- 13
5738	+ 2	- .92	- 804	0.9	- 13
5742	- 1	- .93	- 827	0.6	- 51
5752	- 5	- .95	- 820	0.7	- 26

(342) α Antl 10h 22.6m −30°34'

J.D.	h	P	m	p	v
	min				
4522	+ 5	+ .68	+ 131	0.6	− ".032
4523	+ 4	+ .67	+ 191	0.7	+ 79
4527	+ 5	+ .63	+ 155	0.6	+ 15
4532	+ 11	+ .67	+ 126	0.8	− 39
4634	+ 5	− .84	+ 108	1.0	− 32
4643	+ 8	− .90	+ 119	0.9	− 8
4648	+ 2	− .92	+ 87	0.7	− 68
4662	− 6	− .95	+ 138	0.9	+ 32
4873	+ 1	+ .82	+ 120	0.6	− 6
4889	+ 2	+ .67	+ 126	0.6	+ 9
4891	0	+ .64	+ 146	0.7	+ 49
5011	+ 2	− .90	+ 95	0.8	− 2
5014	0	− .92	+ 103	0.8	+ 15
5017	+ 1	− .93	+ 90	0.6	− 9
5024	+ 4	− .94	+ 119	1.0	+ 45
5244	0	+ .77	+ 89	0.8	− 11
5245	− 1	+ .75	+ 65	0.6	− 56
5249	+ 3	+ .72	+ 88	0.6	− 9

(343) ν Hyda 10h 44.7m −15°40'

J.D.	h	P	m	p	v
	min				
4536	0	+ .58	− 13	0.4	+ ".006
4644	0	− .87	+ 44	0.5	+ 100
4650	+ 4	− .90	− 18	0.7	− 17
4651	− 2	− .90	+ 19	0.5	+ 51
4665	+ 3	− .93	− 50	0.5	− 81
4892	+ 3	+ .69	+ 35	0.6	− 13
4895	− 1	+ .66	+ 38	0.6	− 8
5024	+ 7	− .93	+ 30	0.8	− 36
5028	+ 5	− .94	+ 75	0.7	+ 45
5255	+ 4	+ .71	+ 96	0.7	− 6
5397	+ 3	− .94	+ 74	0.8	− 66
5613	+ 4	+ .78	+ 196	0.5	+ 75
5614	+ 1	+ .77	+ 151	0.7	− 9
5616	+ 4	+ .75	+ 178	0.8	+ 41
5624	+ 1	+ .67	+ 106	0.6	− 94
5746	+ 7	− .90	+ 163	0.8	− 2
5752	+ 2	− .92	+ 144	0.8	− 39
5755	+ 4	− .93	+ 160	0.7	− 8
5763	− 2	− .94	+ 227	0.6	+ 115

(344) BS 4327 11h 2.7m −42°6'

J.D.	h	P	m	p	v
	min				
4668	+ 1	− .93	+ 150	0.4	− ".034
4675	+ 4	− .94	+ 203	0.7	+ 68
4676	− 1	− .94	+ 127	0.5	− 73
4678	+ 8	− .94	+ 187	0.5	+ 38
4894	+ 2	+ .72	+ 135	0.6	− 2
4905	− 5	+ .60	+ 144	0.6	+ 17
5028	+ 5	− .93	+ 134	0.6	+ 19
5038	+ 1	− .94	+ 139	0.7	+ 30
5249	+ 6	+ .80	+ 75	0.6	− 32
5268	+ 4	+ .62	+ 62	0.7	− 55
5269	+ 4	+ .61	+ 108	0.6	+ 32
5396	+ 2	− .93	+ 53	0.6	− 51
5403	+ 3	− .94	+ 15	0.6	− 118
5611	− 3	+ .83	+ 93	0.5	+ 85
5614	− 2	+ .80	+ 42	0.7	− 13
5615	+ 2	+ .79	+ 48	0.8	− 2
5623	+ 4	+ .73	+ 41	0.7	− 11
5752	− 1	− .90	+ 46	1.0	+ 21
5755	+ 2	− .92	+ 40	0.7	+ 9
5763	− 7	− .93	+ 55	0.6	+ 36
5773	+ 8	− .94	+ 39	0.5	+ 8

(345) δ Crat 11h 14.3m −14°14'

J.D.	h	P	m	p	v
	min				
4536	+ 7	+ .67	+ 121	0.4	+ ".038
4538	+ 2	+ .65	+ 129	0.5	+ 53
4541	0	+ .62	+ 110	0.4	+ 19
4644	− 6	− .80	+ 70	0.8	+ 24
4650	− 1	− .85	+ 73	0.7	+ 32
4662	− 4	− .91	+ 33	0.7	− 38
4663	+ 1	− .92	+ 60	0.8	+ 13
4665	− 1	− .93	+ 57	0.5	+ 9
4891	+ 2	+ .77	+ 42	0.7	− 21
4892	− 3	+ .76	+ 30	0.8	− 43
4893	− 5	+ .75	+ 37	0.6	− 30
4895	− 3	+ .74	+ 8	0.6	− 83
5031	+ 3	− .92	− 22	1.0	− 43
5032	+ 4	− .92	+ 4	0.8	+ 8
5034	+ 3	− .93	+ 5	0.8	+ 9
5035	− 4	− .93	− 10	0.7	− 19
5255	+ 4	+ .78	+ 13	0.6	+ 21
5267	− 1	+ .67	+ 28	0.8	+ 56
5270	+ 7	+ .63	+ 6	0.7	+ 17
5376	+ 6	− .82	− 43	0.8	+ 6
5397	+ 2	− .92	− 47	0.8	+ 8
5398	+ 1	− .92	− 49	0.7	+ 4

(346) ε Musc 12h 12.2m −67°24'

J.D.	h	P	m	p	v
	min				
4551	− 2	+ .67	+ 217	0.4	− ".011
4553	− 9	+ .65	+ 234	0.6	+ 21
4559	+ 5	+ .59	+ 246	0.6	+ 49
4669	− 2	− .86	+ 148	0.6	− 8
4676	+ 3	− .90	+ 162	0.7	+ 26
4680	+ 6	− .91	+ 142	0.8	− 9
4681	0	− .92	+ 128	1.0	− 36
4682	+ 5	− .92	+ 149	0.6	+ 6
4905	− 1	+ .78	+ 110	0.8	0
4916	− 1	+ .68	+ 109	0.5	+ 8
4919	− 1	+ .65	+ 55	0.5	− 90
5036	+ 2	− .87	+ 28	0.7	− 6
5042	+ 3	− .90	+ 18	0.8	− 19
5046	+ 1	− .92	− 7	0.5	− 62
5048	− 1	− .92	+ 32	0.8	+ 11
5052	0	− .93	+ 64	0.8	+ 75
5267	0	+ .80	− 6	0.8	+ 2
5270	+ 2	+ .79	− 28	0.9	− 36
5273	+ 6	+ .75	− 20	0.5	− 19
5277	+ 1	+ .72	+ 19	0.8	+ 62

(347) BS 4758 12h 24.9m −12°50'

J.D.	h	P	m	p	v
	min				
5035	− 14	− .85	+ 230	0.5	+ ".043
5292	− 6	+ .59	+ 183	0.7	+ 24
5398	+ 6	− .83	+ 67	0.6	− 79
5404	+ 5	− .86	+ 90	0.8	− 30
5644	− 2	+ .74	+ 72	0.7	− 11
5650	− 3	+ .68	+ 78	1.0	+ 4
5776	+ 9	− .90	+ 15	0.8	+ 21
5789	+ 1	− .93	+ 8	0.7	+ 15
5999	+ 1	+ .81	+ 8	0.8	+ 45
6000	− 3	+ .81	− 46	0.5	− 58
6008	+ 10	+ .75	− 10	0.5	+ 19
6010	− 4	+ .72	− 14	0.3	+ 13
6145	+ 3	− .92	− 82	0.8	+ 24
6155	+ 6	− .93	− 110	0.7	− 21
6362	+ 3	+ .86	− 106	0.8	+ 13
6382	+ 1	+ .66	− 144	0.8	− 39
6386	− 1	+ .61	− 111	1.0	+ 26
6387	− 4	+ .60	− 143	0.9	− 34
6508	+ 1	− .91	− 184	1.0	+ 17
6509	+ 5	− .91	− 207	0.8	− 28
6515	0	− .93	− 164	0.8	+ 60
6520	+ 3	− .93	− 213	1.0	− 30

(348) 21 Virg 12h 28m.6 -8°54'

J.D.	h	P	m	p	v
	min				
4536	+ 2	+ .84	+ 114	0.4	+ ".113
4541	+ 10	+ .81	+ 85	0.5	+ 58
4550	+ 1	+ .73	+ 79	0.5	+ 49
4551	+ 5	+ .72	+ 10	0.6	− 81
4553	+ 3	+ .70	+ 68	0.5	+ 28
4680	0	− .90	+ 44	0.8	+ 19
4688	+ 5	− .92	+ 1	1.0	− 62
4691	+ 3	− .93	+ 49	0.8	+ 30
4693	+ 1	− .93	+ 12	1.0	− 39
4912	+ 2	+ .76	+ 2	0.7	− 55
4919	+ 10	+ .69	+ 3	0.6	− 53
5042	+ 2	− .88	+ 9	0.8	− 6
5046	+ 4	− .90	+ 12	0.7	0
5056	+ 4	− .93	+ 23	0.8	+ 21
5060	+ 3	− .93	+ 44	0.8	+ 62
5268	+ 3	+ .83	− 10	0.8	− 39
5270	+ 2	+ .82	+ 14	0.8	+ 6
5288	+ 5	+ .65	+ 6	0.8	− 4
5292	+ 4	+ .60	+ 33	0.7	+ 47

(349) PGC 3316 12h 38m.4 -37°9'

J.D.	h	P	m	p	v
	min				
5038	+ 2	− .84	+ 45	0.4	+ ".086
5056	+ 5	− .92	− 6	1.0	− 6
5403	0	− .84	− 31	0.7	− 55
5641	+ 6	+ .79	+ 62	1.0	+ 55
5646	+ 7	+ .75	+ 14	1.0	− 32
5651	+ 5	+ .71	+ 33	0.8	+ 4
5787	+ 4	− .92	− 17	0.8	− 24
5789	+ 2	− .93	− 16	0.8	− 21
5999	+ 2	+ .84	− 39	0.8	− 133
6001	− 1	+ .83	+ 49	0.8	+ 32
6008	+ 3	+ .79	+ 39	0.5	+ 15
6009	+ 4	+ .77	+ 45	1.0	+ 26
6155	+ 10	− .93	+ 8	1.0	+ 24
6160	+ 1	− .94	+ 18	1.0	+ 43
6363	0	+ .85	+ 24	0.7	− 13
6364	+ 2	+ .84	+ 66	0.4	+ 64
6386	+ 5	+ .66	+ 30	1.0	+ 4
6510	0	− .90	− 5	0.8	+ 2
6512	+ 6	− .91	− 35	0.7	− 56
6515	+ 4	− .92	+ 6	0.8	+ 23
6517	+ 3	− .92	− 5	0.8	0

(350) 49 Virg 13h 2m.7 -10°12'

J.D.	h	P	m	p	v
	min				
4543	0	+ .86	+ 137	0.4	+ ".162
4550	0	+ .81	+ 17	0.4	− 60
4553	+ 2	+ .79	+ 79	0.8	+ 56
4557	− 2	+ .75	+ 49	0.3	+ 2
4559	+ 1	+ .74	+ 86	0.5	+ 71
4676	− 3	− .82	+ 1	0.8	− 43
4678	− 1	− .83	+ 20	0.7	− 6
4692	+ 3	− .91	− 16	0.9	− 71
4695	− 2	− .92	+ 2	1.0	− 38
4912	− 2	+ .83	+ 47	0.8	− 19
4919	− 3	+ .78	+ 23	0.7	− 62
4921	0	+ .77	+ 12	0.6	− 83
5042	+ 2	− .82	+ 54	0.8	+ 43
5053	+ 3	− .89	+ 47	1.0	+ 34
5059	+ 2	− .92	+ 51	0.7	+ 41
5060	+ 1	− .92	+ 54	1.0	+ 47
5273	+ 3	+ .86	+ 77	0.8	+ 24
5292	+ 2	+ .71	+ 59	0.7	− 8
5300	+ 5	+ .62	+ 57	0.8	− 8
5302	− 8	+ .61	+ 43	0.8	− 36

(351) BS 5002 13h 10m.5 -66°15'

J.D.	h	P	m	p	v
	min				
4687	+ 5	− .88	+ 20	0.5	+ ".013
4692	+ 2	− .90	− 24	0.7	− 70
4706	+ 3	− .94	+ 5	1.0	− 13
4916	0	+ .82	+ 3	1.0	− 24
4919	0	+ .80	+ 49	0.4	+ 62
4924	+ 1	+ .76	+ 29	0.6	+ 24
4926	− 5	+ .74	− 11	0.4	− 51
4927	− 3	+ .73	+ 30	0.7	+ 28
5048	+ 4	− .85	+ 7	0.7	− 15
5064	+ 4	− .93	+ 27	0.7	+ 23
5069	− 3	− .94	+ 66	0.4	+ 96
5070	+ 5	− .94	+ 39	0.7	+ 45
5300	+ 2	+ .65	+ 11	1.0	− 13
5302	− 1	+ .63	+ 27	1.0	+ 15
5431	+ 2	− .93	+ 9	0.8	− 15
5640	+ 4	+ .86	+ 23	0.8	+ 6
5650	+ 6	+ .80	+ 48	0.6	+ 51
5651	+ 7	+ .79	− 13	0.7	− 64
5794	+ 5	− .93	+ 31	0.8	+ 21
5804	+ 9	− .94	− 22	0.4	− 79

(352) 48 Hyda 13h 54m.4 -24°31'

J.D.	h	P	m	p	v
	min				
4557	+ 3	+ .87	+ 272	0.3	+ ".130
4559	+ 3	+ .86	+ 206	0.4	+ 9
4565	+ 3	+ .82	+ 189	0.3	− 21
4588	+ 8	+ .58	+ 243	0.5	+ 102
4687	+ 6	− .81	+ 151	1.0	+ 13
4688	− 5	− .82	+ 141	0.8	− 4
4704	+ 2	− .92	+ 146	0.7	+ 13
4710	− 2	− .93	+ 115	1.0	− 38
4919	0	+ .88	+ 34	0.7	− 132
4921	− 1	+ .88	+ 105	0.7	+ 6
4927	+ 1	+ .83	+ 66	0.8	− 66
5052	− 1	− .81	+ 33	0.8	− 19
5064	+ 1	− .89	+ 27	1.0	− 24
5076	0	− .94	+ 51	0.8	+ 30
5077	+ 5	− .94	+ 52	0.7	+ 30
5300	+ 2	+ .78	+ 14	0.8	+ 32
5306	+ 3	+ .72	+ 18	0.8	+ 41
5308	+ 6	+ .70	− 10	0.8	− 6
5311	− 2	+ .67	0	0.8	+ 13

(353) θ Cent 14h 0m.8 -35°53'

J.D.	h	P	m	p	v
	min				
4693	+ 4	− .84	+ 302	0.7	+ ".032
4695	+ 4	− .85	+ 236	0.8	− 90
4697	0	− .87	+ 275	0.9	− 13
4705	− 2	− .91	+ 288	0.8	+ 26
4714	− 6	− .94	+ 235	0.6	− 56
4927	+ 6	+ .84	+ 155	0.7	− 55
4933	+ 1	+ .81	+ 172	0.7	− 15
4943	+ 7	+ .72	+ 218	0.8	+ 94
4945	+ 8	+ .70	+ 236	0.4	+ 132
5056	+ 2	− .83	+ 43	0.8	+ 41
5071	+ 4	− .91	− 4	0.6	− 19
5081	0	− .95	+ 20	0.6	+ 39
5082	+ 6	− .95	+ 29	0.5	+ 58
5300	+ 3	+ .79	− 97	0.7	− 15
5307	+ 6	+ .73	− 114	1.0	− 30
5308	+ 7	+ .72	− 126	0.8	− 51
5318	− 3	+ .60	− 104	0.6	+ 11
5425	− 5	− .85	− 239	0.8	+ 17
5434	− 2	− .91	− 273	0.8	− 30
5437	+ 4	− .92	− 240	0.6	+ 38
5440	+ 2	− .93	− 277	0.6	− 24

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax ± p.e.		p.e.1	μ_α from Plates
		h m	°				″	″		″	″
354	50 Hyda	14 7.0	-26 47	10158	5.25	Ko	.055	+ .043 ±	.011	± .037	- .064
355	BS 5322	14 9.1	- 5 29	3837	6.29	Go	.316	+ .018	10	33	- .309
356	BS 5455	14 31.7	-11 53	3770	6.24	F8	.943	+ .034	6	20	- .864
357	Wolf 561	15 8.8	- 3 26	3746	9.20	M	.780	+ .023	7	22	- .750
358	γ^2 Lupi	15 15.1	-47 57	9919	5.71	Go	1.661	+ .065	7	22	-1.597
359	37 Libr	15 28.7	- 9 43	4171	4.83	Ko	.392	+ .035	12	39	+ .294
360	BS 5825	15 34.3	-44 20	10310	4.69	F5	.323	+ .056	8	24	- .176
361	κ Libr	15 36.2	-19 21	4188	4.96	K5	.126	+ .035	6	20	- .024
362	49 Libr	15 54.7	-16 14	4196	5.53	F8	.746	+ .033	5	17	- .616
363	18 Scor	16 10.2	- 8 6	+ 4242	5.56	Go	.564	+ .071	6	19	+ .212
364	γ^2 Norm	16 12.4	-49 55	10536	4.14	Ko	.181	+ .040	7	26	- .141
365	γ Apds	16 18.1	-78 40	1103	3.90	Ko	.142	+ .051	9	33	- .149
366	η Arae	16 41.1	-58 52	6906	3.68	K5	.056	+ .020	5	19	+ .035
367	η Ophi	17 4.6	-15 36	4467	2.63	A2	.095	+ .052	8	25	+ .021
368	φ Ophi	17 11.9	-24 11	13255	5.39	Ko	.066	+ .014	6	21	- .033
369	o Ophi	17 11.9	-24 11	13255	6.90	Ko	.073	+ .004	6	24	- .049
370	44 Ophi	17 20.3	-24 5	13337	4.28	Fo	.132	+ .046	6	20	+ .039
371	BS 6516	17 25.2	- 0 59	3300	5.34	G5	.213	+ .061	8	26	- .126
372	δ Sgtr	18 14.6	-29 52	14834	2.84	Ko	.052	+ .042	9	33	- .022
373	60 Serp	18 24.5	- 2 3	4641	5.44	Ko	.040	+ .011	8	26	+ .036
374	ν^1 Sgtr	18 48.1	-22 52	4907	4.96	G5	.019	+ .024	7	26	- .001
375	ε CorA	18 52.0	-37 14	13001	4.87	F5	.159	+ .026	6	21	- .189
376	o Sgtr	18 58.7	-21 53	5237	3.90	Ko	.100	+ .041	7	22	+ .076
377	β^2 Sgtr	19 16.0	-44 59	-13171	4.51	Fo	.126	+ .025	7	25	+ .080
378	PGC 4985	19 26.4	-28 13	15936	7.04	Go	.742	+ .029	5	16	+ .066
379	Cin 2556	19 29.6	+ 4 21	4157	10.5	K5	.58	+ .079	6	21	+ .511
380	BS 7578	19 48.3	-24 11	15668	6.28	Ko	.431	+ .063	5	17	- .134
381	BS 7631	19 53.9	-33 58	-14082	5.67	F5	.337	+ .038	8	29	+ .120
382	ξ Capr	20 6.9	-12 55	- 5608	5.88	F5	.269	+ .041	7	22	+ .194
383	BS 7808	20 20.4	-37 44	13741	6.26	Ko	.274	+ .046	9	30	- .316
384	BS 7845	20 26.9	-10 12	5423	5.81	G5	.317	+ .042	6	19	+ .286
385	φ^1 Pavo	20 27.3	-60 55	- 6492	4.84	Fo	.177	+ .022	8	28	+ .044
386	α Indi	20 30.5	-47 38	13477	3.21	Ko	.072	+ .042	8	26	+ .067
387	ε Aqar	20 42.3	- 9 52	- 5506	3.83	Ao	.047	+ .038	10	29	+ .056
388	θ Capr	21 0.3	-17 38	6174	4.19	Ao	.107	+ .012	9	28	+ .082
389	33 Capr	21 18.5	-21 17	6007	5.47	Ko	.130	+ .014	7	23	- .021
390	ξ Aqar	21 32.4	- 8 18	5701	4.78	A5	.117	+ .030	7	25	+ .081
391	42 Capr	21 36.1	-14 30	6102	5.28	G5	.332	+ .038	9	28	- .130
392	BS 8323	21 41.8	-47 45	13928	5.70	G5	.340	+ .070	6	21	+ .118
393	α Aqar	22 0.6	- 0 48	- 4246	3.19	Go	.019	+ .004	8	26	+ .017
394	PGC 5697	22 4.2	- 8 2	5818	6.63	Go	.458	+ .073	7	21	+ .094
395	BS 8477	22 8.5	-41 51	14804	6.40	Go	.954	+ .043	6	20	+ .541
396	λ PscA	22 8.6	-28 16	17653	5.40	B9	.026	+ .008	7	22	- .014
397	BS 8501	22 11.7	-54 7	10055	5.44	Go	.794	+ .074	9	29	+ .411
398	ψ Aqar	23 10.7	- 9 38	6156	4.46	Ko	.370	+ .051	7	22	+ .347
399	2 Ceti	23 58.6	-17 54	- 6417	4.62	Ao	.022	+ .003	7	22	+ .023

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
354	- 82	+ 19	.256	- 16	- 63	.308	+ 39	+ 39	.213	+ 78	+ 28	.223	10.6	4900	- .0100
355	- 57	+ 74	.172	- 41	- 31	.361	+ 35	+ 56	.149	+ 61	- 31	.318	10.8	6100	- 600
356	- 48	+ 10	.271	+ 15	- 70	.325	+ 21	+ 50	.404				10.7	5100	- 900
357	- 93	+ 32	.271	+ 8	- 44	.070	+ 33	+ 2	.522	+ 54	- 47	.137	10.8	5700	- 1000
358	- 51	+ 60	.229	- 2	- 52	.287	+ 9	- 32	.270	+ 46	+ 46	.214	11.0	6150	*
359	- 85	- 6	.239	- 35	+ 32	.201	+ 40	+ 49	.254	+ 56	- 58	.306	11.0	5700	- 900
360	- 76	+ 15	.209	- 28	- 48	.324	+ 24	+ 47	.172	+ 69	+ 14	.295	10.7	5300	- 400
361	- 53	+ 52	.154	- 50	- 38	.342	+ 50	- 2	.338	+ 52	+ 33	.166	10.5	5000	- 875
362	- 61	+ 7	.268	+ 5	- 25	.377	+ 35	+ 26	.153	+ 44	+ 19	.202	11.3	5100	0
363	- 54	+ 41	.354	- 20	- 18	.084	- 11	- 48	.154	+ 55	- 14	.408	11.2	5000	- 100
364	- 54	+ 54	.263	- 18	- 24	.283	+ 11	- 63	.247	+ 79	+ 40	.207	10.4	4900	- 500
365	- 67	+ 64	.175	- 38	- 29	.233	+ 17	- 57	.339	+ 59	+ 58	.253	10.9	4900	- 500
366	- 32	- 31	.324	- 32	+ 40	.278	+ 41	+ 46	.184	+ 54	- 44	.214	10.5	5000	- 300
367	- 46	- 20	.306	- 38	- 42	.201	+ 20	+ 59	.304	+ 83	- 18	.189	10.9	4900	- 500
368	- 79	- 4	.263	+ 6	- 14	.266	+ 38	- 29	.244	+ 43	+ 53	.227	10.1	5700	- 200
369	- 45	+ 64	.216	- 30	- 54	.294	+ 6	- 29	.281	+ 82	+ 48	.209	11.6	5700	- 400
370	- 59	+ 63	.208	- 10	+ 54	.246	+ 21	- 40	.274	+ 33	- 57	.272	10.6	5000	- 400
371	- 58	- 36	.312	- 17	+ 52	.263	+ 34	- 46	.228	+ 74	+ 42	.197	11.4	5500	- 900
372	- 68	+ 58	.238	- 12	- 56	.362	+ 46	+ 1	.253	+ 60	+ 43	.147	10.2	5000	- 400
373	- 12	+ 73	.180	- 8	- 10	.646	- 42	- 38	.174				12.2	5000	- 400
374	- 62	+ 68	.333	- 30	- 30	.178	- 4	- 36	.172	+ 83	- 34	.317	10.0	5000	- 500
375	- 59	+ 67	.302	- 19	- 40	.325	+ 58	- 30	.180	+ 70	- 9	.193	10.0	5100	- 400
376	- 41	+ 59	.397	- 15	- 43	.264	+ 59	- 34	.339				11.6	5000	- 500
377	- 70	+ 23	.160	- 5	- 33	.260	+ 13	+ 58	.241	+ 28	- 27	.339	10.5	5100	- 400
378	- 57	+ 11	.273	- 18	+ 49	.219	+ 33	+ 15	.230	+ 46	- 61	.278	10.3	5600	- 800
379	- 15	+ 1	.193	- 14	- 64	.195	- 4	+ 27	.317	+ 23	+ 13	.295	11.7	5800	- 900
380	- 79	- 2	.275	+ 13	- 61	.313	+ 28	+ 54	.192	+ 55	+ 42	.220	10.5	5800	- 600
381	- 56	+ 48	.234	- 21	- 10	.272	+ 24	- 39	.264	+ 54	+ 8	.230	11.3	6000	- 700
382	- 28	- 26	.317	- 18	+ 55	.265	+ 26	- 40	.243	+ 42	+ 19	.175	11.5	5000	- 200
383	- 77	- 14	.337	- 26	+ 56	.268	+ 83	- 26	.395				11.0	5100	- 600
384	- 53	+ 17	.341	- 14	- 34	.110	+ 2	- 29	.126	+ 46	+ 4	.423	11.2	5700	- 500
385	- 60	- 61	.256	- 46	+ 65	.253	+ 48	+ 47	.248	+ 62	- 51	.243	11.9	5100	- 600
386	- 47	- 50	.336	- 44	+ 18	.202	+ 45	+ 66	.213	+ 60	- 4	.249	11.7	5100	- 100
387	- 48	+ 45	.153	- 18	- 44	.161	- 9	+ 64	.326	+ 36	- 58	.360	11.3	5000	- 500
388	- 94	- 27	.261	+ 18	+ 76	.291	+ 43	- 34	.448				10.9	5000	- 300
389	- 85	+ 29	.076	- 84	- 25	.237	+ 38	- 19	.510	+ 39	+ 75	.177	10.2	5000	- 1000
390	- 69	- 68	.205	- 28	+ 62	.218	+ 33	+ 58	.306	+ 37	- 64	.271	10.5	5200	- 900
391	- 57	- 38	.251	- 55	+ 55	.262	+ 54	- 33	.243	+ 64	+ 12	.244	12.8	5200	- 300
392	- 53	+ 46	.248	- 13	- 60	.171	+ 7	- 62	.234	+ 40	+ 40	.347	11.5	5700	- 300
393	- 75	- 44	.271	- 52	+ 56	.153	+ 36	- 23	.367	+ 72	+ 56	.209	11.3	5200	- 400
394	- 30	+ 19	.256	- 11	- 22	.359	+ 18	- 1	.226	+ 46	+ 19	.159	11.8	5600	- 600
395	- 78	- 17	.258	- 14	- 25	.216	+ 34	- 21	.243	+ 52	+ 52	.283	11.2	5100	- 500
396	- 35	- 12	.570	+ 44	- 30	.229	+ 49	+ 67	.201				12.2	5200	- 200
397	- 57	+ 55	.250	- 56	+ 16	.195	+ 2	- 37	.245	+ 79	- 25	.310	11.2	6000	0
398	- 38	+ 34	.337	- 14	- 49	.243	+ 38	+ 1	.420				12.0	5200	- 400
399	- 34	+ 1	.476	+ 20	+ 41	.191	+ 37	- 25	.333				12.1	4800	- 200

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
354	16.1	+ 4.47	114.1	+0.24	+7.74	11.26	10.74	+ .1030	− .0594	+ .0201	+ .00663	− .00094	+ .00229
355	15.7	+ 8.03	255.8	−1.31	−3.59	11.75	11.61	+ 440	−1.1135	+ 203	+ 518	− 450	+ 93
356	16.2	− 1.40	112.6	−4.13	+1.37	12.37	11.31	− 240	−1.4095	+ 137	− 211	− 1257	+ 180
357	13.8	+ 7.68	167.4	−2.02	−5.21	10.47	10.07	− 1310	−1.8570	+ 760	− 325	− 1091	+ 120
358	14.2	+ 2.29	163.5	+0.32	−2.61	10.94	10.89	+ 366	+ 393	+ 377	+ 246	− 2324	+ 344
359	14.8	+11.21	174.5	−0.02	−3.56	11.38	11.30	+ 1447	+ 8139	+ 57	+ 653	+ 428	+ 185
360	14.2	− 4.43	199.9	−0.80	+2.76	10.18	10.10	+ 929	− 5295	+ 183	+ 592	− 256	+ 295
361	15.2	+10.28	213.6	+0.17	+2.45	12.03	12.00	+ 37	− 664	+ 216	+ 46	− 36	+ 187
362	15.1	− 2.57	205.1	−0.22	+5.86	12.14	11.97	+ 930	−1.8392	− 319	+ 466	− 896	+ 178
363	14.5	− 7.44	105.5	+0.88	+3.67	11.58	11.36	+ 1917	+ 2314	+ 681	+ 1458	+ 309	+ 379
364	16.0	+ 6.59	111.7	+0.80	+0.39	12.96	12.92	+ 637	− 1974	+ 307	+ 472	− 205	+ 214
365	15.6	+ 7.77	113.4	+1.52	+5.27	12.92	12.58	− 75	− 2288	+ 240	+ 33	− 217	+ 270
366	15.4	−11.20	112.7	+0.58	+3.49	11.54	11.37	+ 792	− 4	+ 172	+ 548	+ 51	+ 106
367	11.4	+ 4.67	77.3	+1.19	+0.76	9.63	9.51	+ 1497	+ 855	+ 420	+ 1271	+ 31	+ 277
368	15.1	+ 4.38	132.4	+0.08	−0.73	13.27	13.27	+ 227	− 565	+ 104	+ 163	− 48	+ 75
369	15.2	+ 5.39	129.9	−0.16	−1.79	13.40	13.38	+ 954	− 573	+ 27	+ 653	− 71	+ 19
370	14.3	− 4.81	99.7	+1.33	+2.48	12.06	11.85	+ 892	+ 334	+ 392	+ 620	+ 57	+ 245
371	15.2	− 2.94	140.7	−1.16	+3.40	12.19	12.03	+ 159	− 2504	+ 320	+ 94	− 184	+ 323
372	14.3	− 4.85	96.7	+0.35	+3.15	12.23	12.11	+ 1028	− 577	+ 287	+ 703	− 32	+ 223
373	13.6	− 3.01	85.2	+1.25	−0.24	11.58	11.47	+ 1208	+ 176	+ 179	+ 895	+ 52	+ 59
374	15.5	− 5.76	102.7	+2.73	+4.14	12.99	12.25	+ 248	− 45	+ 201	+ 137	− 2	+ 127
375	14.1	+ 8.68	106.9	−1.89	−1.79	11.84	11.59	+ 643	− 2402	+ 88	+ 643	− 274	+ 136
376	13.1	− 3.02	97.3	+2.26	+2.39	10.42	9.94	+ 142	+ 1092	+ 274	+ 96	+ 110	+ 216
377	14.2	+ 9.25	137.7	+2.23	+3.48	11.46	11.08	+ 514	+ 1889	+ 251	+ 266	+ 116	+ 132
378	13.9	+10.05	157.9	+1.32	+4.10	11.60	11.40	+ 446	+ 1806	+ 246	+ 238	+ 95	+ 152
379	16.3	+10.38	196.0	−0.59	−0.55	14.17	14.15	+ 606	+1.4449	+ 561	− 86	+ 743	+ 421
380	15.2	+ 8.65	125.4	−0.53	−0.18	12.81	12.79	+ 855	− 1862	+ 396	+ 686	− 195	+ 335
381	15.6	+ 5.82	242.6	+1.79	+4.39	13.16	12.90	+ 882	+ 4596	+ 424	+ 477	+ 174	+ 199
382	12.1	+ 1.82	91.9	+2.14	+3.29	9.89	9.41	+ 910	+ 2785	+ 452	+ 671	+ 282	+ 218
383	15.6	+ 5.48	190.0	+3.60	+6.04	12.43	11.48	+ 1556	− 7989	+ 425	+ 1102	− 460	+ 247
384	12.7	+ 0.67	129.6	+1.22	−0.66	10.32	10.20	− 636	+ 5341	+ 139	− 545	+ 416	+ 226
385	14.3	− 1.88	192.7	+0.72	−1.36	11.27	11.22	+ 749	+ 1122	+ 159	+ 527	+ 64	+ 115
386	14.4	− 4.48	145.9	+1.59	−2.71	11.85	11.64	+ 889	+ 1077	+ 338	+ 622	+ 97	+ 224
387	12.4	− 3.41	87.8	+2.71	+0.32	9.96	9.36	+ 648	+ 555	+ 342	+ 501	+ 82	+ 204
388	13.2	− 2.89	96.3	+2.75	+0.33	10.82	10.24	+ 606	+ 1008	+ 202	+ 472	+ 119	+ 64
389	15.1	− 0.51	106.8	+1.63	+1.15	11.48	11.29	+ 1345	− 367	+ 224	+ 882	− 31	+ 74
390	18.3	− 6.69	266.2	+2.29	−4.60	13.92	13.58	+ 361	+ 2933	+ 221	+ 220	+ 119	+ 161
391	15.7	− 0.33	254.1	+3.19	−5.33	11.73	10.97	+ 803	− 4924	+ 489	+ 466	− 189	+ 204
392	14.2	+ 3.53	133.3	+0.38	−2.09	10.69	10.64	+ 1017	+ 2438	+ 389	+ 664	+ 171	+ 374
393	14.0	− 4.74	196.0	+2.68	−1.92	10.18	9.66	+ 896	+ 182	+ 188	+ 645	+ 25	+ 20
394	13.7	− 6.22	187.1	+1.75	−5.01	10.02	9.70	+ 329	+ 2207	+ 364	+ 253	+ 137	+ 388
395	14.0	− 0.88	170.1	+2.78	−0.03	10.79	10.24	− 97	+1.3387	+ 226	− 66	+ 787	+ 229
396	13.9	− 0.85	216.5	+3.63	−3.57	10.59	9.59	− 34	− 466	+ 41	− 38	− 21	+ 45
397	15.4	− 0.05	255.5	+0.04	−1.54	11.27	11.26	+ 1667	+1.5220	+ 356	+ 1083	+ 598	+ 394
398	14.4	+ 1.31	260.4	+4.14	−4.67	10.44	9.15	+ 961	+1.3097	+ 271	+ 544	+ 505	+ 270
399	14.4	+ 8.74	105.3	+0.58	−2.36	10.31	10.22	+ 1543	+ 1269	+ 71	+ 1051	+ 34	+ 18

(354) 50 Hyda 14h 7m.0 -26°47'

J.D.	h	P	m	p	v
	min				
4559	+ 6	+ .88	+169	0.4	+".094
4565	+ 7	+ .84	+131	0.5	+ 28
4576	+ 6	+ .75	+134	0.6	+ 39
4578	- 3	+ .73	+162	0.5	+ 92
4585	+ 3	+ .65	+149	0.5	+ 73
4689	0	- .80	+ 46	0.7	- 43
4692	+ 2	- .81	+ 2	0.7	- 120
4697	0	- .86	+ 45	1.0	- 38
4705	- 3	- .91	+ 69	1.0	+ 9
4706	0	- .91	+ 87	0.8	+ 45
4921	- 2	+ .89	+ 45	0.8	- 73
4922	+ 6	+ .89	+ 67	0.8	- 34
4924	- 5	+ .88	+ 20	0.8	- 120
5056	+ 2	- .81	+ 40	0.8	+ 15
5064	+ 1	- .87	+ 45	0.8	- 26
5076	+ 1	- .93	+ 59	0.9	+ 55
5081	- 1	- .95	+ 35	0.8	+ 15
5292	+ 5	+ .86	+ 78	0.9	+ 55
5302	+ 3	+ .78	+ 75	1.0	+ 55
5306	+ 1	+ .75	+ 42	0.8	- 6
5318	- 4	+ .63	+ 13	1.0	- 55

(355) BS 5322 14h 9m.1 -5°29'

J.D.	h	P	m	p	v
	min				
5073	+ 4	- .92	+565	0.5	+".113
5081	+ 1	- .94	+493	0.6	- 17
5651	+ 3	+ .90	+283	0.5	+ 39
5656	+ 8	+ .87	+283	0.8	+ 43
5799	+ 4	- .90	+161	0.7	- 34
6016	0	+ .90	+ 68	0.8	- 55
6019	+ 1	+ .89	+ 94	0.6	- 4
6036	- 1	+ .76	+ 29	0.7	- 111
6038	- 6	+ .75	+ 38	0.7	- 92
6165	- 5	- .90	+ 22	0.9	+ 13
6172	+ 4	- .93	+ 5	0.7	- 9
6176	+ 5	- .94	- 32	0.8	- 77
6384	- 5	+ .89	- 42	0.8	+ 49
6398	- 2	+ .79	- 45	0.8	+ 56
6412	+ 4	+ .65	- 71	1.0	+ 21
6413	+ 4	+ .64	- 69	1.0	+ 28
6529	+ 3	- .90	-140	1.0	+ 17
6539	0	- .94	-173	1.0	- 34
6540	+ 4	- .94	-143	1.0	+ 23
6544	+ 6	- .95	-136	0.8	+ 39

(356) BS 5455 14h 31m.7 -11°53'

J.D.	h	P	m	p	v
	min				
4691	- 2	- .76	+492	0.6	+".023
4705	- 4	- .87	+494	0.8	+ 62
4711	- 5	- .92	+440	0.9	- 24
4714	- 5	- .93	+422	1.0	- 49
4924	- 5	+ .92	+214	0.7	- 6
4927	+ 1	+ .90	+223	0.7	+ 19
4933	- 1	+ .87	+192	0.9	- 24
4951	- 8	+ .72	+165	1.0	- 28
5076	0	- .91	- 7	0.9	0
5077	+ 3	- .92	- 12	0.9	- 6
5081	0	- .93	+ 13	0.8	+ 51
5084	+ 1	- .94	- 15	0.7	+ 6
5292	+ 5	+ .90	-212	0.5	+ 66
5306	- 3	+ .81	-264	0.8	+ 6
5308	+ 2	+ .80	-276	0.8	- 11
5320	- 3	+ .69	-276	0.7	+ 19
5434	+ 2	- .87	-447	0.8	+ 21
5439	- 2	- .90	-462	0.8	+ 4
5440	+ 5	- .90	-473	1.0	- 15
5444	- 4	- .92	-491	0.9	- 39

(357) Wolf 561 15h 8m.8 -3°26'

J.D.	h	P	m	p	v
	min				
5092	+ 3	- .95	+614	0.8	-".011
5329	- 9	+ .69	+375	0.8	- 8
5330	+ 1	+ .69	+387	0.8	+ 15
5455	+ 7	- .95	+220	0.8	- 6
5458	+ 5	- .95	+212	0.8	- 17
5460	- 3	- .96	+247	0.6	+ 56
5678	0	+ .85	- 29	0.8	- 58
5684	+ 5	+ .80	+ 13	0.6	+ 36
5687	+ 4	+ .78	+ 1	0.8	+ 19
5694	- 3	+ .70	- 14	0.6	+ 8
5822	- 2	- .95	-153	0.5	+ 43
5824	- 1	- .95	-206	0.6	- 51
6036	- 1	+ .89	-444	0.4	- 107
6042	+ 5	+ .86	-365	0.8	+ 58
6052	0	+ .77	-399	0.8	+ 15
6179	+ 7	- .91	-560	0.8	+ 11
6181	+10	- .92	-574	1.0	- 13
6189	+ 6	- .95	-569	0.8	+ 15
6190	0	- .96	-594	0.7	- 30

(358) ν^2 Lupi 15h 15m.1 -47°57'

J.D.	h	P	m	p	v
	min				
5463	+ 2	- .97	- 13	0.5	+".026
5465	+ 5	- .97	- 16	0.6	+ 19
5687	+ 3	+ .80	+ 65	1.0	+ 47
5697	+ 8	+ .71	+ 3	0.7	- 64
5831	+11	- .97	- 10	0.4	+ 13
6039	+ 2	+ .90	+ 34	0.6	- 36
6051	- 8	+ .81	+ 33	0.6	- 30
6053	+ 1	+ .79	+ 29	0.8	- 38
6061	+ 2	+ .71	+ 31	0.5	- 30
6181	+ 9	- .91	- 44	0.6	- 71
6193	+ 4	- .97	+ 12	0.7	+ 36
6195	+ 2	- .97	+ 1	0.8	+ 15
6399	- 2	+ .92	+ 72	1.0	+ 19
6408	+ 5	+ .88	+ 98	0.6	+ 68
6412	+ 1	+ .84	+ 70	1.0	+ 17
6423	+ 1	+ .75	+ 60	1.0	+ 6
6537	+ 2	- .85	+ 12	0.8	+ 11
6550	+ 2	- .93	- 2	1.0	- 9
6553	+ 6	- .95	+ 13	0.4	+ 21
6560	+ 1	- .97	- 26	0.6	- 55

(359) 37 Libr 15h 28m.7 -9°43'

J.D.	h	P	m	p	v
	min				
5083	+ 6	- .88	-239	0.4	-".047
5085	+ 3	- .89	-252	0.7	- 71
5330	- 1	+ .75	-100	0.7	- 39
5331	+ 1	+ .74	- 58	1.0	+ 38
5455	+ 4	- .92	- 19	0.8	+ 71
5684	+ 1	+ .85	+ 87	0.7	+ 24
5686	+ 2	+ .83	+ 98	1.0	+ 45
5689	0	+ .81	+142	0.7	+ 124
5700	- 6	+ .70	+ 62	0.8	- 30
5822	+ 2	- .93	+ 75	0.8	- 47
5830	+ 7	- .96	+108	0.7	+ 8
5831	+ 9	- .97	+ 87	0.8	- 30
6036	- 3	+ .92	+141	0.6	- 160
6039	- 3	+ .92	+188	0.8	- 75
6042	+ 1	+ .89	+253	0.8	+ 49
6057	+ 7	+ .78	+229	0.8	- 6
6187	- 2	- .93	+256	1.0	0
6193	+ 4	- .96	+255	0.9	- 8
6197	0	- .97	+302	0.8	+ 79

(360) BS 5825 15h 34.3m -44°20'

J.D.	h	P	m	p	v
	min				"
4714	- 2	- .83	+144	0.8	- .079
4726	+ 2	- .92	+189	0.8	+ 19
4740	+ 9	- .98	+165	0.6	- 15
4963	- 4	+ .78	+159	0.6	- 17
4965	- 2	+ .76	+187	0.8	+ 38
4968	- 4	+ .73	+173	0.8	+ 13
4972	- 3	+ .69	+192	0.7	+ 55
5080	+ 4	- .84	+118	0.7	+ 53
5096	+ 2	- .95	+ 99	0.8	+ 30
5329	+ 2	+ .77	+ 49	0.7	- 49
5331	+ 3	+ .75	+ 51	1.0	- 41
5336	- 1	+ .70	+ 88	0.6	+ 32
5461	+ 5	- .94	+ 16	0.5	+ 49
5462	+ 9	- .95	- 47	0.8	- 70
5684	+ 3	+ .87	- 26	0.5	- 24
5685	+ 6	+ .85	- 17	0.6	- 4
5694	+ 4	+ .78	- 12	1.0	+ 13
5822	+ 4	- .93	-101	0.6	+ 2
5830	+ 6	- .96	- 99	0.7	+ 11
5832	+ 7	- .97	- 97	0.6	+ 15

(361) κ Libr 15h 36.2m -19°21'

J.D.	h	P	m	p	v
	min				"
4576	+ 8	+ .93	+ 79	0.3	+ .079
4588	+ 6	+ .87	+ 56	0.5	+ 38
4594	+ 8	+ .83	+ 31	0.8	- 6
4595	- 2	+ .82	+ 37	0.8	+ 6
4713	+ 4	- .82	+ 13	0.5	+ 26
4716	+ 1	- .84	- 49	0.7	- 90
4726	+ 6	- .92	- 5	1.0	- 6
4737	+ 4	- .97	- 18	0.7	- 24
4947	+ 5	+ .90	+ 16	0.7	- 15
4953	+ 5	+ .87	+ 29	0.7	+ 13
4960	+ 2	+ .82	+ 9	0.8	- 23
5077	0	- .81	- 10	0.8	+ 8
5094	+ 5	- .93	+ 3	0.8	+ 34
5106	+ 9	- .98	+ 17	0.8	+ 64
5306	+ 1	+ .93	- 17	0.6	- 51
5307	+ 2	+ .93	+ 17	0.7	+ 11
5455	+ 8	- .92	- 20	0.6	+ 17
5461	+ 7	- .94	- 44	0.4	- 28
5463	+ 3	- .96	- 36	1.0	- 13
5678	+ 3	+ .90	- 3	1.0	0
5694	+ 7	+ .78	- 4	1.0	+ 2

(362) 49 Libr 15h 54.7m -16°14'

J.D.	h	P	m	p	v
	min				"
4595	+ 2	+ .85	+489	0.6	- .045
4597	+ 3	+ .84	+491	0.8	- 41
4600	- 2	+ .81	+516	0.7	+ 13
4724	+ 2	- .89	+368	0.7	+ 2
4725	0	- .90	+369	1.0	+ 4
4736	+ 4	- .96	+349	1.0	- 13
4738	+ 2	- .96	+385	0.5	+ 58
4951	- 2	+ .91	+200	0.8	+ 8
4953	0	+ .90	+215	0.7	+ 38
4965	+ 3	+ .82	+188	0.6	+ 9
5105	+ 3	- .97	+ 32	0.7	+ 13
5106	+ 7	- .97	+ 31	0.8	+ 11
5108	+ 4	- .98	+ 35	0.6	+ 23
5327	- 1	+ .84	-150	1.0	- 15
5336	+ 2	+ .76	-141	0.6	+ 17
5460	+ 3	- .92	-321	0.7	- 55
5462	+ 8	- .93	-321	0.7	- 49
5466	+ 1	- .95	-289	0.6	+ 17
5687	+ 3	+ .88	-460	1.0	+ 6
5689	+ 7	+ .87	-460	1.0	+ 13

(363) 18 Scor 16h 10.2m -8°6'

J.D.	h	P	m	p	v
	min				"
4595	+ 3	+ .89	+ 24	0.7	- .056
4597	+ 7	+ .87	+ 60	0.8	+ 11
4600	+ 3	+ .85	+ 72	0.6	+ 34
4604	+ 5	+ .82	+ 73	0.6	+ 34
4730	+ 2	- .90	+ 24	1.0	- 9
4734	+ 1	- .93	+ 60	0.8	+ 58
4735	+ 1	- .93	+ 23	0.7	- 9
4741	+ 1	- .96	+ 28	0.9	- 4
4947	+ 2	+ .96	+141	0.6	- 47
4951	- 1	+ .94	+141	0.8	- 49
4960	0	+ .89	+181	0.8	+ 24
5091	+ 1	- .87	+153	0.9	+ 23
5096	+ 4	- .90	+132	0.8	- 17
5108	+ 5	- .97	+123	0.8	- 36
5111	- 1	- .98	+132	0.6	- 21
5327	0	+ .87	+286	0.9	+ 11
5331	0	+ .84	+294	1.0	+ 26
5339	- 1	+ .78	+280	0.6	- 2
5341	- 6	+ .75	+282	0.6	+ 8

(364) γ^2 Norm 16h 12.4m -49°55'

J.D.	h	P	m	p	v
	min				"
4587	+ 4	+ .93	+146	0.5	+ .026
4588	+ 5	+ .93	+100	0.5	- 58
4594	+ 1	+ .90	+131	1.0	+ 4
4598	+ 4	+ .87	+163	0.6	+ 66
4604	+ 9	+ .83	+169	0.6	+ 81
4724	0	- .85	+ 58	1.0	- 13
4726	+ 2	- .87	+ 37	0.8	- 51
4731	+ 1	- .91	+ 32	0.8	- 60
4739	+ 2	- .95	+ 44	0.8	- 30
4951	+ 3	+ .94	+ 43	1.0	- 26
4961	- 2	+ .88	+ 39	0.8	- 26
4965	0	+ .86	+ 70	0.8	+ 34
5104	+ 6	- .95	+ 35	0.6	+ 94
5105	+ 4	- .95	- 22	1.0	- 15
5106	0	- .96	+ 2	1.0	+ 34
5111	+ 2	- .98	- 2	0.5	+ 28
5112	0	- .98	+ 1	0.8	+ 34
5318	+ 2	+ .93	- 39	0.7	- 38
5331	+ 3	+ .85	- 10	0.8	+ 24
5340	+ 7	+ .77	- 44	0.7	- 32
5341	+ 2	+ .76	- 43	0.7	- 32

(365) γ Apds 16h 18.1m -78°40'

J.D.	h	P	m	p	v
	min				"
4588	+ 4	+ .94	+ 47	0.5	- .094
4595	+ 4	+ .91	+ 78	1.0	- 30
4597	+ 6	+ .89	+ 87	0.8	- 11
4598	+ 5	+ .88	+140	0.6	+ 86
4724	- 1	- .83	+ 2	0.6	- 32
4726	0	- .85	+ 64	0.8	+ 86
4735	+ 6	- .92	- 8	0.6	- 43
4739	+ 2	- .94	+ 11	0.6	- 4
4744	0	- .97	+ 8	1.0	- 6
4951	+ 1	+ .95	- 2	0.7	- 39
4953	+ 3	+ .94	+ 62	1.0	+ 86
4965	0	+ .87	- 4	0.7	- 30
5096	+ 1	- .89	- 69	1.0	- 11
5104	+ 8	- .94	- 38	0.8	+ 53
5105	+ 4	- .95	-100	0.7	- 62
5106	+ 3	- .95	- 68	0.8	- 2
5318	0	+ .95	- 25	0.8	+ 70
5325	+ 1	+ .91	- 84	0.8	- 38
5331	+ 1	+ .86	- 62	1.0	+ 9
5337	+ 4	+ .82	- 99	0.8	- 55

(366) η Arae 16h 41m.1 -58°52'

J.D.	h	P	m	p	v
	min				"
4611	+ 5	+ .83	+ 62	0.8	+ .036
4618	+11	+ .76	+ 35	0.8	- 17
4619	+ 2	+ .75	+ 19	0.8	- 47
4622	- 1	+ .72	+ 41	1.0	- 6
4725	- 4	- .80	+ 15	0.8	- 34
4726	- 9	- .81	+ 57	0.8	+ 49
4738	+ 2	- .91	+ 41	0.7	+ 17
4744	- 1	- .95	+ 29	0.8	- 6
4745	+ 1	- .95	+ 29	0.8	- 6
4953	- 3	+ .96	+ 94	0.6	+ 58
4972	0	+ .86	+ 77	1.0	+ 28
4979	+ 3	+ .80	+ 30	0.6	- 41
5096	- 1	- .85	+ 34	0.8	- 32
5111	+ 3	- .96	+ 37	0.8	- 26
5112	+ 2	- .96	+ 57	0.8	+ 13
5116	- 2	- .97	+ 69	0.7	+ 34
5318	- 5	+ .97	+ 73	0.5	- 15
5331	+ 4	+ .91	+ 91	0.5	+ 17
5340	+ 1	+ .85	+ 82	1.0	+ 2
5348	+10	+ .77	+ 72	0.8	- 15

(367) η Ophi 17h 4.6 -15°36'

J.D.	h	P	m	p	v
	min				"
4595	- 5	+ .97	+109	0.3	- .068
4597	- 3	+ .96	+166	0.4	+ 39
4598	- 9	+ .96	+124	0.5	- 39
4600	- 2	+ .94	+128	0.6	- 30
4611	+ 4	+ .88	+183	0.6	+ 77
4730	- 1	- .80	+ 89	0.8	- 21
4739	+ 4	- .87	+ 87	0.5	- 21
4748	+ 1	- .94	+153	0.4	+ 107
4758	+ 3	- .99	+ 59	0.7	- 70
4960	- 2	+ .97	+160	0.5	+ 8
4968	- 3	+ .94	+177	0.5	+ 41
4972	- 3	+ .91	+149	0.8	- 9
5096	+ 2	- .80	+143	0.8	+ 60
5107	+ 1	- .90	+105	0.7	- 6
5109	+ 5	- .92	+102	0.8	- 13
5115	- 2	- .95	+107	0.5	- 2
5325	- 1	+ .97	+162	0.8	- 9
5330	0	+ .95	+206	0.3	+ 75
5336	+ 4	+ .92	+156	0.4	- 19
5337	- 1	+ .91	+131	0.5	- 68

(368) o Ophi 17h 11m.9 -24°11'

J.D.	h	P	m	p	v
	min				"
5125	0	- .99	+ 33	0.5	- .008
5329	- 5	+ .96	+ 56	0.7	+ 28
5336	+ 3	+ .94	+ 49	0.5	+ 17
5355	- 2	+ .78	+ 65	0.2	+ 49
5356	+ 2	+ .76	+ 40	0.7	+ 4
5475	- 4	- .91	+ 9	0.5	- 21
5480	- 1	- .94	+ 4	0.8	- 30
5481	+ 3	- .95	+ 12	0.8	- 13
5487	- 3	- .97	+ 6	0.5	- 24
5689	- 5	+ .98	- 17	0.6	- 77
5696	+ 2	+ .96	+ 37	0.7	+ 24
5702	- 1	+ .93	+ 30	0.8	+ 13
5705	- 6	+ .91	+ 11	1.0	- 23
5840	+ 3	- .91	+ 26	0.5	+ 43
5843	0	- .92	+ 12	0.8	+ 19
5846	- 8	- .94	+ 48	0.8	+ 86
5850	- 3	- .96	- 10	0.8	- 23
6057	+ 4	+ .97	+ 22	0.8	+ 28
6063	+ 3	+ .95	- 16	0.7	- 41
6068	0	+ .92	+ 10	1.0	+ 9
6211	0	- .94	- 41	0.7	- 51
6221	+ 1	- .99	- 11	0.7	+ 9

(369) o Ophi 17h 11m.9 -24°11'

J.D.	h	P	m	p	v
	min				"
5125	0	- .99	+117	0.4	+ .024
5329	- 5	+ .96	+ 65	0.8	- 53
5336	+ 3	+ .94	+101	0.5	+ 13
5355	- 2	+ .78	+176	0.2	+ 162
5356	+ 2	+ .76	+ 82	0.6	- 15
5475	- 4	- .91	+ 59	0.5	- 38
5480	- 1	- .94	+ 69	0.8	- 21
5481	+ 3	- .95	+ 60	0.8	- 36
5487	- 3	- .97	+ 71	0.5	- 13
5689	- 5	+ .98	+ 61	0.6	- 13
5696	+ 2	+ .96	+ 87	0.6	+ 36
5702	- 1	+ .93	+ 84	0.8	+ 32
5705	- 6	+ .91	+ 88	1.0	+ 39
5840	+ 3	- .91	+ 96	0.6	+ 79
5843	0	- .92	+ 74	0.8	+ 39
5846	- 8	- .94	+ 59	0.8	+ 11
5850	- 3	- .96	+ 38	1.0	- 26
6057	+ 4	+ .97	+ 30	0.8	- 24
6063	+ 3	+ .95	+ 12	0.7	- 55
6068	0	+ .92	+ 38	1.0	- 6
6211	0	- .94	+ 9	0.7	- 36
6221	+ 1	- .99	+ 42	0.7	+ 30

(370) 44 Ophi 17h 20m.3 -24°5'

J.D.	h	P	m	p	v
	min				"
4597	+ 8	+ .98	+ 71	0.5	+ .015
4600	+ 5	+ .96	+ 60	1.0	- 6
4619	+ 6	+ .85	+ 65	0.7	+ 8
4629	- 5	+ .75	+ 66	0.6	+ 13
4739	+ 1	- .84	+ 59	0.6	+ 62
4748	+ 5	- .92	+ 19	0.7	- 11
4758	+ 8	- .97	+ 1	1.0	- 43
4760	+ 3	- .98	+ 15	0.7	- 17
4968	+ 1	+ .96	+ 69	0.8	- 28
4982	+ 2	+ .87	+ 82	0.6	0
4990	- 1	+ .79	+ 90	0.8	+ 19
5105	+ 1	- .85	+ 48	0.6	+ 2
5106	+ 2	- .86	+ 72	0.7	+ 47
5125	+ 3	- .98	+ 60	0.7	+ 28
5126	- 2	- .99	+ 76	0.6	+ 58
5127	+ 3	- .99	+ 3	0.7	- 79
5327	- 2	+ .98	+ 93	0.8	- 23
5330	+ 1	+ .97	+104	0.7	- 2
5337	+ 1	+ .94	+113	0.7	+ 17
5350	+ 6	+ .84	+ 99	0.8	- 8

(371) BS 6516 17h 25m.2 -0°59'

J.D.	h	P	m	p	v
	min				"
4734	+ 5	- .79	+123	0.7	- .004
4990	+ 4	+ .80	+129	0.6	- 2
5127	+ 3	- .98	+101	0.8	+ 103
5129	+ 3	- .99	+ 6	0.6	- 73
5130	+ 5	- .99	+ 61	0.6	+ 28
5354	+ 5	+ .81	+ 66	0.7	+ 8
5356	+10	+ .80	+ 75	0.8	+ 26
5359	+ 5	+ .77	+ 43	1.0	- 34
5360	+ 2	+ .76	+ 39	0.5	- 39
5481	+ 1	- .73	- 24	0.8	- 23
5491	+ 3	- .98	- 28	0.8	- 13
5495	+10	- .99	- 52	0.8	- 58
5696	0	+ .97	0	0.8	- 8
5702	+ 6	+ .95	+ 31	1.0	+ 53
5705	+10	+ .93	- 5	1.0	- 13
5713	+ 7	+ .87	- 8	0.8	- 11
5833	0	- .82	- 79	0.8	- 2
5852	- 1	- .95	- 79	1.0	+ 13
5857	- 3	- .98	- 57	0.7	+ 60
5858	+ 6	- .99	-124	0.4	- 66

(372) δ Sgtr 18h 14.6m −29°52'

J.D.	h	P	m	p	v
	min				"
4609	+ 7	+ .98	+176	0.3	+ .133
4611	+ 7	+ .98	+139	0.7	+ 66
4622	+ 3	+ .92	− 11	0.3	− 214
4633	− 3	+ .84	+ 98	0.6	− 6
4634	+ 9	+ .84	+110	0.7	+ 15
4751	+ 1	− .84	+ 44	1.0	− 28
4760	+ 3	− .92	+ 70	0.8	+ 24
4766	+ 6	− .95	+ 76	0.8	+ 36
4768	+ 5	− .96	+ 18	1.0	− 71
4976	+ 1	+ .98	+128	0.7	+ 66
4984	− 2	+ .94	+ 57	0.8	− 68
4996	+10	+ .86	+ 84	0.6	− 9
5123	+ 4	− .89	+ 44	0.6	− 4
5127	0	− .93	+ 39	0.8	− 11
5134	− 1	− .96	+ 79	0.8	+ 62
5136	+ 5	− .97	+ 36	0.6	− 15
5141	0	− .99	+ 68	0.5	+ 45
5339	− 3	+ .98	+ 70	0.6	− 21
5340	+ 2	+ .98	+ 74	0.7	− 13
5359	+ 2	+ .88	+ 98	0.7	+ 36
5367	+ 2	+ .80	+ 59	0.7	− 34

(373) 60 Serp 18h 24.5m −2°3'

J.D.	h	P	m	p	v
	min				"
4622	+ 3	+ .94	+ 1	0.5	− .141
4623	+ 4	+ .93	+ 93	0.8	+ 34
4626	+ 1	+ .91	+117	0.6	+ 79
4627	+ 1	+ .91	+ 97	0.6	+ 43
4764	+ 4	− .93	+ 79	1.0	+ 13
4769	− 2	− .95	+ 93	0.6	+ 41
4774	− 2	− .97	+ 66	0.5	− 11
4775	− 2	− .98	+ 40	0.5	− 58
4979	+ 5	+ .98	+ 87	1.0	− 15
4981	0	+ .98	+ 67	0.8	− 51
4991	+ 2	+ .91	+ 97	0.9	+ 4
5115	+ 7	− .80	+ 82	1.0	− 15
5123	+ 1	− .87	+ 69	0.6	− 41
5134	+ 7	− .95	+ 96	0.6	+ 11
5138	+ 2	− .97	+114	0.6	+ 43
5141	+ 4	− .98	+ 92	0.7	+ 4
5354	− 2	+ .93	+113	0.7	− 4
5359	− 1	+ .90	+124	0.6	+ 21
5369	+ 3	+ .81	+123	1.0	+ 17

(374) v^1 Sgtr 18h 48.1m −22°52'

J.D.	h	P	m	p	v
	min				"
4622	− 2	+ .96	+ 39	0.9	+ .023
4623	+ 1	+ .96	+ 34	0.6	+ 13
4627	0	+ .94	+ 28	0.5	+ 4
4629	− 2	+ .94	+ 14	0.8	− 24
4758	+ 2	− .83	− 58	1.0	− 113
4760	− 5	− .84	+ 23	1.0	+ 39
4769	− 2	− .92	+ 29	1.0	+ 51
4774	− 4	− .94	+ 12	0.8	+ 19
4981	− 1	+ .99	+ 34	0.9	+ 17
4991	+ 2	+ .95	+ 1	0.7	− 47
4996	+ 2	+ .92	+ 45	0.7	+ 36
4998	0	+ .90	+ 15	1.0	− 17
5122	+ 3	− .81	+ 31	0.5	+ 51
5123	+ 1	− .82	+ 7	0.7	+ 6
5133	+ 1	− .91	+ 4	0.7	+ 4
5140	+ 1	− .94	− 12	0.8	− 26
5350	+ 2	+ .98	+ 46	0.6	+ 39
5359	+ 2	+ .94	+ 19	0.8	− 9
5360	+ 2	+ .93	+ 31	0.7	+ 11
5369	+ 3	+ .86	+ 8	0.8	− 30

(375) ε CorA 18h 52.0m −37°14'

J.D.	h	P	m	p	v
	min				"
4643	− 4	+ .83	+253	0.3	+ .098
4766	− 7	− .89	+118	0.7	− 49
4772	+ 2	− .93	+137	0.8	− 8
4780	+ 7	− .97	+178	0.5	+ 71
4786	+ 7	− .99	+160	0.5	+ 43
4997	+ 2	+ .92	+119	0.8	+ 28
4999	+ 1	+ .90	+ 84	0.7	− 39
5004	+ 2	+ .87	+ 99	0.7	− 6
5006	+ 7	+ .85	+ 83	0.8	− 34
5134	+ 3	− .91	+ 32	0.8	− 23
5138	+ 4	− .93	+ 37	0.7	− 8
5147	+ 5	− .98	+ 15	0.8	− 43
5359	+ 7	+ .94	+ 8	1.0	+ 2
5364	+ 3	+ .91	+ 1	0.7	− 4
5367	+ 3	+ .88	+ 10	0.5	+ 13
5371	+ 5	+ .83	+ 2	0.7	+ 4
5495	+ 2	− .87	− 26	0.8	+ 56
5501	+ 7	− .92	− 39	0.6	+ 36
5504	+ 3	− .94	− 65	0.7	− 9
5511	+ 4	− .97	− 69	0.7	− 13
5516	+ 5	− .99	− 83	0.3	− 39

(376) o Sgtr 18h 58.7m −21°53'

J.D.	h	P	m	p	v
	min				"
4633	+ 4	+ .92	− 69	0.4	− .109
4636	− 2	+ .90	+ 4	0.7	+ 28
4641	0	+ .86	+ 6	0.5	+ 30
4642	+ 2	+ .85	− 6	1.0	+ 11
4655	0	+ .72	+ 41	0.4	+ 100
4758	+ 7	− .80	− 53	0.8	− 34
4760	+ 5	− .82	− 52	0.7	− 34
4769	+ 3	− .90	− 17	0.8	+ 32
4783	− 6	− .97	− 40	0.4	− 8
4993	+ 4	+ .95	+ 28	0.4	− 4
4996	+ 4	+ .93	+ 32	0.5	+ 4
4998	+ 4	+ .92	+ 5	1.0	− 45
5125	+ 7	− .82	− 3	0.7	− 17
5137	+ 6	− .92	− 5	0.6	− 17
5138	+ 4	− .93	+ 16	0.5	+ 21
5147	+ 5	− .97	+ 25	0.8	+ 38
5355	+ 2	+ .97	+ 78	0.8	+ 17
5360	+ 8	+ .94	+ 57	0.6	− 24
5369	+ 8	+ .88	+ 59	0.7	− 21
5377	+ 3	+ .81	+ 87	0.8	+ 38

(377) β^2 Sgtr 19h 16.0m −44°59'

J.D.	h	P	m	p	v
	min				"
4653	− 3	+ .79	+ 42	0.5	+ .107
4658	+ 3	+ .74	− 35	0.7	− 38
4766	+ 1	− .83	− 38	0.7	− 28
4774	+ 3	− .90	− 27	0.6	− 6
4775	+ 3	− .90	− 64	0.6	− 77
4990	+ 2	+ .98	+ 35	0.8	+ 15
5004	0	+ .91	+ 47	0.7	+ 38
5006	+ 3	+ .89	+ 17	0.8	− 21
5010	0	+ .86	+ 21	0.6	− 11
5137	+ 4	− .88	+ 57	0.5	+ 71
5140	+ 5	− .90	+ 5	0.6	− 28
5156	+ 3	− .98	+ 49	0.7	+ 56
5359	+ 1	+ .97	+ 85	0.8	+ 28
5362	+ 1	+ .95	+ 54	1.0	− 28
5371	0	+ .89	+ 54	0.9	− 30
5376	+ 7	+ .85	+ 74	0.7	+ 8
5494	+ 8	− .81	+ 43	0.9	− 34
5504	+ 5	− .90	+ 84	0.8	+ 41
5511	+ 1	− .93	+ 67	0.5	+ 9
5719	− 2	+ .98	+103	0.8	− 17

(378) PGC 4985 19h 26.4m −28°13'

J.D.	h	P	m	p	v
	min				″
5010	− 4	+ .88	+ 5	0.4	+ .047
5011	0	+ .87	− 41	0.8	− 41
5137	+ 2	− .86	− 37	0.5	− 8
5377	+ 5	+ .87	+ 4	0.8	− 23
5381	− 2	+ .83	+ 3	0.6	− 24
5500	− 5	− .84	+ 14	0.8	+ 26
5504	+ 1	− .88	+ 11	0.6	+ 17
5508	+ 5	− .90	− 7	0.6	− 15
5509	− 1	− .91	+ 19	0.8	+ 34
5721	+ 2	+ .98	+ 73	0.6	+ 43
5724	+ 5	+ .98	+ 70	0.6	+ 36
5728	+ 2	+ .95	+ 60	0.8	+ 19
5862	+ 9	− .81	+ 16	0.7	− 39
5873	+ 1	− .90	+ 41	0.8	+ 9
5875	+ 1	− .91	+ 29	1.0	− 11
5885	− 7	− .96	+ 30	0.6	− 11
6087	− 1	+ .98	+ 68	0.7	− 32
6088	− 1	+ .98	+ 91	0.6	+ 9
6093	+ 2	+ .96	+ 74	0.8	− 23
6094	− 1	+ .95	+ 94	0.8	+ 19

(379) Cin 2556 19h 29.6m +4°21'

J.D.	h	P	m	p	v
	min				″
5011	+ 8	+ .88	−517	0.4	+ .077
5014	+ 3	+ .85	−581	0.5	− 47
5508	+10	− .90	−294	0.6	− 56
5514	+ 4	− .93	−291	0.8	− 60
5515	+ 6	− .94	−264	0.8	− 6
5518	− 3	− .95	−249	0.8	+ 17
5725	+ 7	+ .98	− 13	0.6	+ 21
5726	+ 3	+ .96	− 28	0.7	− 8
5728	+10	+ .96	− 18	1.0	+ 6
5729	+ 1	+ .95	− 7	0.7	+ 28
5868	− 1	− .86	+ 28	1.0	+ 39
5873	+ 8	− .89	+ 21	0.8	+ 24
5882	+ 1	− .94	+ 24	1.0	+ 21
6088	+ 5	+ .98	+224	0.8	− 41
6093	+10	+ .96	+262	0.6	+ 23
6095	− 2	+ .95	+267	0.7	+ 32
6097	− 5	+ .94	+239	1.0	− 26
6240	− 2	− .90	+255	0.8	− 47
6245	+ 4	− .93	+282	1.0	− 4
6246	+ 1	− .94	+299	1.0	+ 32
6461	+ 4	+ .94	+512	0.7	− 19

(380) BS 7578 19h 48.3m −24°11'

J.D.	h	P	m	p	v
	min				″
5010	− 2	+ .89	+254	0.4	+ .002
5502	0	− .81	+118	0.8	+ 34
5507	− 6	− .85	+ 99	0.8	+ 4
5514	− 8	− .90	+ 77	0.4	− 34
5515	− 2	− .91	+ 82	0.8	− 23
5725	+ 1	+ .98	+144	0.4	+ 51
5731	− 7	+ .96	+111	0.5	− 4
5734	− 6	+ .94	+101	0.8	− 23
5739	−10	+ .92	+110	1.0	− 2
5742	− 8	+ .90	+ 96	0.8	− 26
5873	− 3	− .85	+ 9	0.8	− 34
5885	− 8	− .94	+ 41	0.6	+ 39
5890	−10	− .95	+ 33	0.8	+ 26
5893	0	− .96	+ 15	0.8	− 6
6093	− 2	+ .97	+ 48	0.7	+ 8
6095	− 8	+ .97	+ 75	0.5	+ 62
6096	+ 3	+ .96	+ 48	1.0	+ 9
6098	+ 1	+ .95	+ 29	1.0	− 24
6235	− 2	− .83	− 52	0.6	− 15
6244	+ 4	− .90	− 78	0.7	− 55
6246	− 1	− .91	− 32	1.0	+ 30

(381) BS 7631 19h 53.9m −33°58'

J.D.	h	P	m	p	v
	min				″
5032	0	+ .74	−127	0.7	− .041
5518	+10	− .91	− 84	0.8	− 56
5523	+ 8	− .94	− 45	0.8	+ 19
5729	+ 6	+ .97	+ 60	0.6	+ 75
5731	+ 9	+ .97	+ 39	0.5	+ 36
5742	+ 5	+ .91	+ 19	0.7	− 2
5749	+ 7	+ .86	+ 39	1.0	+ 34
5885	+ 8	− .92	− 3	0.7	− 24
5888	+ 9	− .94	− 61	0.4	− 132
5896	+ 9	− .97	+ 17	0.5	+ 11
6096	+ 4	+ .97	+ 85	1.0	+ 2
6103	+ 5	+ .94	+ 79	0.7	− 9
6235	+ 9	− .81	+ 98	0.7	+ 47
6248	+ 5	− .91	+ 74	0.7	+ 2
6251	+ 5	− .92	+ 98	0.7	+ 47
6255	+ 8	− .95	+109	1.0	+ 68
6459	− 6	+ .97	+130	1.0	− 32
6461	+ 6	+ .97	+159	0.8	+ 24
6477	+ 5	+ .88	+112	0.8	− 70
6478	+ 6	+ .88	+149	1.0	0
6619	+ 4	− .94	+ 96	0.5	− 75

(382) ξ Capr 20h 6.9m −12°55'

J.D.	h	P	m	p	v
	min				″
4642	− 8	+ .94	− 29	0.5	− .028
4643	− 3	+ .94	− 8	0.8	+ 11
4655	0	+ .87	+ 26	0.5	+ 70
4657	− 3	+ .85	− 18	0.7	− 15
4776	+ 5	− .80	− 11	0.3	+ 4
4783	+ 4	− .86	− 35	0.5	− 41
4799	0	− .95	− 17	0.8	− 11
4800	+ 7	− .95	− 8	0.8	+ 4
5006	+ 2	+ .95	+ 68	0.6	− 41
5008	− 1	+ .94	+109	0.7	+ 38
5018	0	+ .89	+ 83	0.5	− 15
5147	+ 6	− .85	+ 83	0.7	− 13
5162	0	− .94	+ 62	0.6	− 58
5163	+ 2	− .95	+123	0.6	+ 58
5164	+ 2	− .95	+125	0.5	+ 62
5382	+ 7	+ .90	+171	0.7	− 45
5385	+ 1	+ .87	+176	0.8	− 36
5388	− 3	+ .85	+216	0.7	+ 39
5389	+ 1	+ .84	+211	0.8	+ 30

(383) BS 7808 20h 20.4m −37°44'

J.D.	h	P	m	p	v
	min				″
4658	+ 3	+ .88	+361	0.7	+ .047
4661	+ 2	+ .85	+339	0.6	+ 11
4663	+ 2	+ .83	+396	0.5	+ 122
4669	+ 1	+ .77	+291	0.8	− 68
4783	− 3	− .82	+212	0.5	− 45
4786	0	− .86	+254	0.7	+ 39
4795	− 3	− .91	+276	0.6	+ 90
4802	+ 1	− .94	+168	0.5	− 105
5007	− 2	+ .96	+151	0.8	− 49
5014	+ 5	+ .93	+178	0.8	+ 8
5019	+ 1	+ .90	+161	0.8	− 15
5147	+ 5	− .81	+ 62	0.8	− 13
5150	+ 5	− .84	+ 46	0.8	− 38
5157	+ 3	− .89	+ 74	0.6	+ 23
5371	+ 2	+ .96	− 27	0.8	− 68
5376	+ 2	+ .94	0	0.7	− 11
5383	− 1	+ .91	+ 4	0.8	+ 4
5384	+ 5	+ .90	+ 23	0.8	+ 41
5521	− 1	− .88	−111	0.6	− 9
5527	+ 1	− .92	− 91	0.8	+ 32
5742	+ 2	+ .94	−133	0.8	+ 55
5749	+ 1	+ .90	−176	0.8	− 17

(384) BS 7845 $20^h 26^m.9$ -10°12'

J.D.	h	P	m	p	v
	min				
5025	+ 3	+ .87	-341	0.7	-".049
5031	- 7	+ .82	-321	0.7	- 11
5390	- 4	+ .88	-163	0.6	0
5509	- 3	- .76	-130	0.7	+ 39
5514	- 1	- .81	-149	0.6	0
5522	+ 4	- .88	-157	0.8	- 15
5528	- 4	- .92	-152	0.6	- 9
5738	+ 3	+ .96	- 3	0.6	+ 26
5740	+ 2	+ .96	+ 23	0.5	+ 71
5745	- 1	+ .93	+ 2	0.7	+ 32
5752	+ 1	+ .89	+ 14	0.7	+ 49
5885	- 5	- .86	+ 20	0.6	+ 32
5887	+ 2	- .88	+ 7	0.6	+ 6
5896	- 3	- .93	- 12	0.6	- 34
5899	- 5	- .94	+ 1	0.6	- 13
5900	- 2	- .94	+ 4	0.7	- 6
6102	- 2	+ .96	+129	0.4	- 11
6104	0	+ .96	+103	0.7	- 60
6106	- 2	+ .95	+138	0.7	+ 4
6110	- 4	+ .93	+113	0.6	- 45

(385) φ^1 Pavo $20^h 27^m.3$ -60°55'

J.D.	h	P	m	p	v
	min				
4658	+ 2	+ .88	+ 89	0.8	+".103
4661	+ 1	+ .86	- 25	0.6	- 113
4663	+ 2	+ .84	+ 70	0.6	+ 66
4669	0	+ .79	+ 17	1.0	- 32
4785	+ 4	- .82	+ 41	0.8	+ 34
4791	+ 1	- .87	+ 16	1.0	- 13
4795	+ 3	- .90	+ 24	0.5	+ 2
4804	- 2	- .94	+ 21	0.6	- 4
5011	0	+ .94	+ 66	0.8	+ 17
5018	0	+ .92	+ 55	0.5	- 8
5021	+ 9	+ .90	+ 41	0.7	- 32
5156	+ 2	- .87	+ 15	0.7	- 58
5160	0	- .89	+ 28	0.8	- 36
5164	+ 3	- .92	+ 76	0.5	+ 56
5376	+ 1	+ .94	+ 51	0.5	- 56
5381	0	+ .93	+ 78	0.6	- 8
5527	+ 3	- .91	+ 75	0.8	+ 11
5532	0	- .93	+ 78	1.0	+ 15
5753	- 4	+ .89	+113	0.7	+ 15
5755	- 8	+ .88	+113	0.8	+ 17

(386) α Indi $20^h 30^m.5$ -47°38'

J.D.	h	P	m	p	v
	min				
4643	+ 3	+ .96	+ 38	0.6	-".006
4653	+ 1	+ .92	+ 49	0.6	+ 17
4655	0	+ .90	+ 38	0.7	- 2
4657	- 5	+ .89	+ 45	0.7	+ 11
4789	- 1	- .85	- 1	0.8	- 26
4799	0	- .92	+ 51	0.6	+ 73
4800	- 5	- .92	- 37	0.5	- 94
4804	+ 3	- .94	- 18	0.7	- 56
5010	0	+ .95	+ 83	0.8	+ 15
5019	+ 3	+ .91	+ 75	1.0	+ 2
5020	+ 2	+ .90	+ 88	0.8	+ 24
5150	+ 2	- .82	+ 44	0.8	- 9
5162	- 2	- .90	+ 51	1.0	+ 6
5163	+ 2	- .91	+ 85	0.7	+ 70
5381	+ 6	+ .93	+131	0.6	+ 39
5383	- 5	+ .92	+ 71	0.6	- 75
5384	+ 4	+ .91	+105	1.0	- 9
5525	+ 3	- .88	+ 57	0.7	- 51
5533	- 4	- .93	+128	0.6	+ 85
5755	-10	+ .88	+131	0.6	- 28

(387) ε Aqar $20^h 42^m.3$ -9°52'

J.D.	h	P	m	p	v
	min				
4655	- 2	+ .92	+ 55	0.6	+".024
4656	- 1	+ .91	- 14	0.5	- 103
4657	+ 2	+ .91	+ 78	0.6	+ 70
4663	+ 3	+ .87	- 5	0.5	- 85
4669	+ 5	+ .81	+ 71	1.0	+ 58
4785	+'5	- .79	- 9	1.0	- 47
4795	+ 1	- .87	+ 24	0.5	+ 17
4802	+ 1	- .91	- 26	0.5	- 77
4804	+ 1	- .92	+ 34	0.6	+ 36
5010	+ 5	+ .96	+ 50	0.6	- 39
5014	+ 3	+ .94	+101	0.5	+ 58
5020	+ 3	+ .92	+ 76	1.0	+ 9
5157	+ 5	- .85	+ 30	0.7	- 30
5163	0	- .89	+ 72	0.8	+ 51
5173	+ 6	- .93	+ 69	0.7	+ 45
5376	+ 6	+ .96	+ 89	0.6	- 23
5383	+ 2	+ .93	+104	0.5	+ 8
5384	+ 4	+ .93	+ 98	0.6	- 4
5395	+ 5	+ .86	+ 81	0.6	- 38

(388) θ Capr $21^h 0^m.3$ -17°38'

J.D.	h	P	m	p	v
	min				
4651	+ 1	+ .95	+ 75	0.4	+".118
4658	+ 4	+ .93	- 2	0.8	- 26
4663	+ 1	+ .90	+ 22	0.8	+ 17
4669	+ 7	+ .85	- 27	0.7	- 75
4673	+10	+ .82	+ 29	0.8	+ 30
4789	+ 4	- .77	- 11	0.7	- 53
4799	- 1	- .86	+ 29	0.8	+ 21
4808	+ 6	- .91	+ 17	0.7	- 4
4813	+ 3	- .93	+ 19	0.6	0
5010	- 4	+ .96	+ 34	0.6	- 38
5011	- 1	+ .96	+ 94	0.6	+ 75
5025	- 2	+ .92	+ 46	0.7	- 19
5164	+ 3	- .86	+ 45	0.6	- 34
5172	+ 2	- .90	+ 63	0.8	+ 4
5176	+ 3	- .92	+113	0.6	+ 96
5178	+ 3	- .93	+ 40	0.4	- 41
5381	0	+ .95	+ 78	0.6	- 38
5383	+ 6	+ .95	+103	0.6	+ 9
5384	+ 4	+ .94	+ 79	0.8	- 38
5390	- 1	+ .92	+128	0.6	+ 53

(389) 33 Capr $21^h 18^m.5$ -21°17'

J.D.	h	P	m	p	v
	min				
4675	- 5	+ .84	+108	0.6	+".006
4676	- 6	+ .83	+ 93	0.8	- 21
4678	- 7	+ .82	+ 99	0.8	- 9
4681	0	+ .79	+105	1.0	+ 2
4687	- 7	+ .73	+ 87	0.7	- 30
4799	+ 6	- .82	+ 74	0.9	- 26
4800	- 1	- .83	+115	0.9	+ 51
4815	+ 1	- .92	+148	0.7	+ 113
4817	+ 1	- .92	+ 71	0.6	- 30
5020	+ 6	+ .95	+ 98	0.7	+ 8
5021	+ 1	+ .94	+ 88	0.8	- 11
5157	+10	- .75	+ 70	1.0	- 13
5172	0	- .87	+ 48	0.8	- 56
5177	+ 2	- .89	+ 71	1.0	- 9
5178	- 3	- .90	+ 65	0.8	- 19
5382	+ 4	+ .96	+ 80	0.6	- 6
5384	- 1	+ .95	+ 78	0.8	- 9
5385	- 1	+ .95	+ 94	0.8	+ 21
5389	+ 2	+ .93	+110	0.8	+ 49

(390) ξ Aqar 21h 32.4m −8°18'

J.D.	h (min)	P	m	p	v
4675	+ 1	+ .86	− 12	0.8	+ ".026
4676	− 2	+ .86	− 38	0.8	− 23
4678	− 8	+ .84	− 9	1.0	+ 32
4680	+ 2	+ .83	− 39	0.9	− 23
4799	− 2	− .78	− 84	0.9	− 86
4801	− 2	− .79	− 40	1.0	− 4
4813	+ 2	− .88	− 40	0.8	− 4
5019	0	+ .95	+ 4	1.0	− 21
5024	− 3	+ .94	+ 18	0.8	+ 4
5031	− 3	+ .92	+ 50	0.9	+ 62
5164	0	− .78	+ 29	0.7	+ 43
5172	+ 1	− .85	+ 54	0.5	+ 92
5177	0	− .88	− 7	1.0	− 23
5383	− 5	+ .96	+ 45	0.7	− 26
5384	0	+ .95	+ 79	0.6	+ 38
5523	+ 5	− .72	+ 51	1.0	+ 6
5532	− 1	− .79	+ 71	1.0	+ 41
5545	− 3	− .89	+ 37	0.6	− 23
5546	+ 1	− .90	+ 46	0.8	− 6
5753	− 4	+ .95	+ 73	0.9	− 55
5756	+ 1	+ .94	+ 99	0.8	− 8
5757	0	+ .94	+106	0.8	+ 6

(391) 42 Capr 21h 36.1m −14°30'

J.D.	h (min)	P	m	p	v
4670	0	+ .90	+163	0.4	− ".002
4676	+ 1	+ .86	+181	0.6	+ 32
4678	− 4	+ .85	+183	1.0	+ 34
4682	+ 2	+ .81	+148	0.8	− 24
4683	− 8	+ .80	+144	1.0	− 32
4800	+ 1	− .78	+ 62	0.7	− 83
4802	+ 1	− .79	+ 80	0.7	− 49
5031	− 1	+ .92	+104	0.6	+ 13
5032	− 1	+ .92	+106	0.8	+ 15
5164	+ 3	− .77	+ 38	0.6	0
5175	− 2	− .85	+ 59	0.7	+ 47
5179	− 2	− .88	+ 67	0.7	+ 64
5391	+ 5	+ .94	+ 70	0.6	+ 77
5404	− 9	+ .88	+ 27	1.0	+ 2
5532	+ 5	− .79	− 57	0.8	− 47
5539	+ 4	− .85	+ 21	0.5	+ 105
5545	+ 5	− .88	− 33	0.7	+ 6
5548	+ 3	− .90	− 41	0.8	− 8
5755	+ 5	+ .95	− 32	0.8	+ 13
5756	+ 4	+ .95	− 18	0.4	+ 34
5763	+ 1	+ .92	− 67	0.5	− 49
5772	− 6	+ .86	− 84	1.0	− 77

(392) BS 8323 21h 41.8m −47°45'

J.D.	h (min)	P	m	p	v
5038	0	+ .89	+ 4	0.3	+ ".032
5042	+ 5	+ .86	− 26	1.0	− 21
5388	− 3	+ .95	+ 83	0.4	+ 64
5390	+ 1	+ .95	+ 68	0.4	+ 36
5525	+ 4	− .70	− 14	0.8	− 47
5532	+ 7	− .77	− 8	0.7	− 32
5543	+ 4	− .86	+ 11	1.0	+ 8
5550	+11	− .90	+ 31	0.7	+ 47
5758	+ 7	+ .94	+110	1.0	− 2
5763	+ 8	+ .92	+117	0.6	+ 9
5772	+10	+ .87	+ 96	1.0	− 30
5896	+ 8	− .77	+ 77	0.7	+ 11
5903	+ 5	− .82	+ 71	0.8	+ 2
5904	0	− .84	+ 70	1.0	0
5910	+ 4	− .88	+105	0.8	+ 66
5914	+ 7	− .89	+ 35	0.7	− 68
6118	+ 4	+ .95	+197	0.5	+ 45
6123	+ 3	+ .94	+159	0.5	− 26
6137	+ 7	+ .87	+170	0.8	− 8
6138	+ 2	+ .86	+170	0.5	− 8

(393) α Aqar 22h 0.6m −0°48'

J.D.	h (min)	P	m	p	v
4687	− 2	+ .82	+ 14	0.7	− ".073
4688	+ 6	+ .81	+ 63	0.8	+ 17
4690	0	+ .80	+ 57	1.0	+ 8
4691	− 2	+ .79	+ 60	0.8	+ 11
4800	+ 6	− .71	+ 59	0.8	+ 11
4821	− 2	− .88	+ 52	0.5	− 4
5035	+ 3	+ .92	+ 54	0.8	− 15
5042	+ 6	+ .89	+ 31	0.5	− 60
5164	+ 8	− .70	+ 88	0.6	+ 49
5187	+ 5	− .88	+ 43	0.7	− 38
5188	+ 3	− .89	+ 98	0.7	+ 68
5190	+ 1	− .90	+ 74	0.8	+ 21
5404	+ 6	+ .91	+ 91	0.9	+ 38
5410	+ 1	+ .88	+ 80	1.0	+ 15
5533	− 8	− .74	+ 97	0.4	+ 49
5545	+ 2	− .84	+ 26	0.6	− 86
5546	0	− .84	+ 29	0.5	− 79
5755	− 7	+ .95	+114	0.5	+ 62
5762	+ 3	+ .94	+ 75	0.6	− 9
5773	− 7	+ .89	+ 67	0.8	− 26

(394) PGC 5697 22h 4.2m −8°2'

J.D.	h (min)	P	m	p	v
4804	− 6	− .74	− 96	0.3	+ ".030
5041	+ 4	+ .91	− 16	0.6	+ 2
5049	− 1	+ .85	− 17	1.0	0
5053	− 5	+ .83	− 12	1.0	+ 11
5176	− 4	− .79	− 42	0.8	+ 41
5411	− 4	+ .87	+ 37	0.8	+ 6
5413	− 9	+ .86	+ 18	0.7	− 26
5533	− 5	− .72	− 26	0.7	− 26
5547	+ 2	− .84	+ 8	0.4	+ 43
5551	− 3	− .86	− 33	0.8	− 34
5552	− 7	− .87	− 58	0.8	− 83
5759	+ 3	+ .94	+ 71	0.7	− 23
5763	− 1	+ .94	+101	0.6	+ 34
5774	− 9	+ .89	+ 80	0.8	− 8
5896	+10	− .70	+ 18	0.4	− 39
5910	− 3	− .83	+ 56	0.8	+ 39
5915	− 1	− .86	+ 40	0.8	+ 9
5916	− 2	− .86	+ 90	0.3	+ 103
6138	+ 6	+ .90	+132	0.5	− 4
6139	− 2	+ .89	+121	0.4	− 24
6140	0	+ .89	+150	0.5	+ 28

(395) BS 8477 22h 8.5m −41°51'

J.D.	h (min)	P	m	p	v
4663	0	+ .95	−343	0.6	− ".026
4670	− 2	+ .93	−334	0.8	− 21
4673	+ 2	+ .92	−299	0.8	+ 43
4683	− 2	+ .86	−321	0.7	− 13
4802	+ 3	− .71	−264	0.6	− 11
4808	− 1	− .77	−283	0.5	− 55
4817	0	− .84	−236	0.4	+ 24
4826	+ 2	− .89	−221	1.0	+ 39
5031	+ 2	+ .94	− 18	0.6	+ 41
5038	+ 2	+ .92	− 59	0.5	− 47
5039	+ 3	+ .92	− 50	0.7	− 30
5045	+ 1	+ .89	− 20	0.6	+ 17
5174	0	− .77	+ 70	0.6	+ 70
5175	+ 5	− .78	+ 33	0.8	− 4
5185	0	− .86	+ 4	0.8	− 68
5395	+ 3	+ .94	+259	0.8	+ 23
5403	+ 6	+ .92	+259	0.8	+ 13
5546	+ 6	− .82	+331	0.5	+ 9
5549	+ 8	− .85	+330	0.6	+ 6
5765	+ 7	+ .93	+530	0.7	− 15
5773	+ 3	+ .90	+539	0.6	− 9

(396) λ PscA 22h 8m.6 -28°16'

J.D.	h	P	m	p	v
	min				"
4675	- 1	+ .91	+ 2	0.5	- .017
4678	0	+ .90	+ 9	0.8	- 4
4681	0	+ .88	+ 34	0.7	+ 41
4683	+ 4	+ .86	+ 1	0.7	- 19
4697	- 6	+ .75	+ 10	0.6	0
4804	- 4	- .73	- 31	0.5	- 60
4821	- 1	- .86	- 11	0.6	- 23
5035	+ 2	+ .93	+ 9	0.8	+ 11
5042	+ 6	+ .91	- 1	0.8	- 8
5178	+ 2	- .80	- 9	0.8	- 2
5186	+ 6	- .86	- 11	0.5	- 8
5190	+ 4	- .88	+ 13	0.8	+ 39
5404	+ 5	+ .92	- 7	0.8	- 6
5411	+ 6	+ .88	+ 37	0.7	+ 77
5537	+ 7	- .75	+ 63	0.3	+ 143
5545	+ 6	- .82	- 33	0.4	- 34
5549	+ 1	- .85	- 4	0.6	+ 21
5551	+ 5	- .85	- 34	0.6	- 36
5763	+ 2	+ .94	- 36	0.6	- 47
5772	+ 3	+ .91	- 13	1.0	- 2
5774	+ 2	+ .90	- 28	0.8	- 30

(397) BS 8501 22h 11m.7 -54°7'

J.D.	h	P	m	p	v
	min				"
5050	+ 2	+ .86	-427	0.6	- .004
5415	+ 5	+ .86	-183	0.7	+ 47
5416	- 3	+ .85	-208	0.8	0
5418	- 1	+ .84	-256	0.4	- 92
5550	+ 3	- .85	-204	0.7	- 21
5557	+ 5	- .89	-184	0.8	+ 15
5777	- 5	+ .88	+ 16	0.5	+ 11
5904	+ 6	- .76	+ 18	1.0	- 8
5910	+10	- .81	+ 15	0.8	- 13
5918	+ 5	- .86	+ 70	0.8	+ 85
6130	+10	+ .93	+156	0.5	- 128
6140	+ 4	+ .90	+236	0.6	+ 17
6146	-10	+ .85	+235	0.5	+ 13
6265	- 9	- .71	+262	0.8	+ 43
6276	+ 2	- .81	+212	0.4	- 55
6277	- 5	- .82	+229	1.0	- 24
6278	0	- .83	+256	1.0	+ 26
6283	- 4	- .86	+192	0.7	- 96
6491	- 2	+ .94	+438	1.0	- 2
6496	- 2	+ .93	+471	1.0	+ 55
6508	- 5	+ .88	+442	0.8	- 11

(398) ψ Aqar 23h 10m.7 -9°38'

J.D.	h	P	m	p	v
	min				"
4681	+11	+ .93	-235	0.5	- .100
4682	+ 1	+ .93	-180	1.0	+ 6
4683	+10	+ .93	-158	0.8	+ 45
4687	+ 5	+ .92	-199	0.7	- 36
4705	+ 2	+ .82	-152	0.8	+ 39
4823	- 3	- .74	-144	0.7	+ 23
4829	+ 1	- .79	-140	0.7	+ 24
5050	+ 4	+ .92	- 12	0.8	- 28
5068	- 4	+ .83	+ 13	0.7	+ 6
5187	+ 2	- .73	+ 18	0.8	- 17
5196	+ 4	- .80	+ 38	0.6	+ 13
5432	+ 1	+ .84	+186	0.8	- 17
5549	+ 6	- .68	+212	0.6	0
5551	+ 3	- .71	+181	0.7	- 58
5563	+ 2	- .82	+234	0.8	+ 36
5570	+ 7	- .85	+200	0.4	- 36
5776	+ 5	+ .93	+360	0.5	- 19
5777	0	+ .93	+403	0.7	+ 62
5784	+ 1	+ .91	+376	1.0	+ 4
5789	- 6	+ .90	+376	0.8	0

(399) 2 Ceti 23h 58m.6 -17°54'

J.D.	h	P	m	p	v
	min				"
4460	- 1	- .60	+ 39	0.6	- .102
4469	0	- .72	+125	0.5	+ 60
4471	+ 6	- .74	+120	0.6	+ 51
4475	+ 4	- .76	+ 92	0.8	- 2
4690	+ 3	+ .93	+105	0.7	+ 4
4692	+ 1	+ .93	+106	0.6	+ 6
4696	+ 2	+ .92	+104	1.0	+ 2
4697	0	+ .92	+118	0.8	+ 26
4698	- 1	+ .92	+ 79	1.0	- 47
4840	+ 1	- .77	+106	0.8	+ 2
4849	+ 1	- .84	+104	0.6	- 4
4850	+ 1	- .84	+123	0.4	+ 32
5058	+ 1	+ .93	+136	0.7	+ 38
5063	+ 2	+ .92	+115	0.7	- 2
5068	- 1	+ .90	+128	0.6	+ 23
5071	+ 4	+ .90	+103	0.8	- 24
5202	+ 1	- .74	+ 99	0.8	- 36
5206	+ 4	- .77	+115	0.8	- 6
5212	+ 3	- .83	+145	0.8	+ 51
5213	+ 2	- .83	+ 97	0.8	- 39

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m									
400	β 1000	1 30.4	-30°26'	529	7.19	G5	".132	+".034	±".006	±".020	+".112
401	θ^1 Erid	2 54.5	-40 42	771	3.42	A2	.064	+.031	11	24	-.093
402	θ^2 Erid	2 54.5	-40 42	771	4.42	A2	.073	+.030	10	29	-.083
403	Ross 578	3 33.4	-11 46		14		3.3	+.035	11	26	+1.453
404	BS 1614	4 55.9	- 5 52	1123	6.50	K0	1.247	+.104	6	22	+.546
405	CZ 243	5 7.7	-44 59	-1841	9.2	K2	8.75	+.256	5	18	+6.616
406	Cin 705	5 26.4	- 3 42	1123	8.8	K2	2.222	+.168	5	18	+.801
407	PGC 3812	14 51.6	-20 58	4123	8.9	K5	1.915	+.156	7	24	+.986
408	Cin 2018	15 4.7	-15 59	4041	9.9	G5	3.684	+.027	8	30	-1.028
409	Cin 2019	15 4.7	-15 54	4042	9.4	G0	3.680	+.030	7	24	-1.021
410	Ait 691	15 8.8	- 0 58	2944	6.66	K0	1.376	+.048	6	19	-1.271
411	Wolf 562	15 14.2	- 7 21	4003	10.6	M5	1.33	+.138	7	21	-1.235
412		16 24.7	-12 25	4523	9.5	M5	1.24	+.239	4	13	-.102
413	Wolf 629	16 49.6	- 8 8		11		1.26	+.152	8	24	-.818
414	Cin 2251	16 50.1	- 8 9	4352	9.2	K5p	1.234	+.156	7	27	-.795
415	PGC 4342	16 59.8	- 4 54	4225	7.90	K5p	1.466	+.089	6	19	-.909
416	Wolf 636	17 0.0	- 4 55	4226	9.3	M3	1.465	+.094	6	20	-.913
417		17 12.1	-34 53		10		1.194	+.154	10	35	+1.145
418		17 53.5	+ 4 28	3562	9.5		.05	+.022	3	11	-.041
419		18 24.7	- 1 53	3500	8.22	K5	.252	+.048	7	23	+.181
420	Ross 156	18 48.5	-22 42		11		.42	+.053	7	25	+.103
421	ν^2 Sgtr	18 49.1	-22 48	4915	5.04	K0	.107	+.037	8	25	+.091
422	BS 7637	19 54.4	-10 13	5238	5.91	F8	.486	+.038	7	23	-.285
423	δ Pavo	19 58.9	-66 26	3474	3.64	G5	1.626	+.174	6	19	+1.185
424	BS 7703	20 4.6	-36 21	13940	5.34	K5p	1.626	+.177	7	23	+.439
425	BS 7766	20 14.4	-50 18	12929	6.40	F8	.472	+.039	6	23	-.396
426	BS 7794	20 18.2	+ 5 1	-4434	5.41	K0	.053	-.004	6	20	-.001
427	69 Aqil	20 24.4	- 3 13	4918	5.11	K0	.070	+.011	6	21	+.046
428	φ^2 Pavo	20 31.8	-60 53	7419	5.30	F8	.647	+.042	7	22	+.304
429	71 Aqil	20 33.2	- 1 27	4016	4.51	K0	.030	+.013	6	22	+.013
430	Cin 2676	20 34.6	+ 4 37	4510	8.4	K5	.844	+.054	6	23	+.890
431	Cin 2757	21 11.4	-39 15	14192	6.65	Map	3.532	+.259	10	37	-3.286
432	ν Pegs	22 0.6	+ 4 34	4800	4.90	K5	.144	+.003	6	20	+.090
433	τ PscA	22 4.3	-33 2	15941	5.06	F8	.448	+.061	6	21	+.449
434	ν Indi	22 16.0	-72 44	2690	5.42	G0	1.453	+.046	7	22	+1.296
435	ζ Aqar	22 23.7	- 0 32	4365	4.59	F2	.176	+.012	8	25	+.148
436	ζ Aqar	22 23.7	- 0 32	4365	4.42	F2	.214	+.008	8	26	+.140
437		22 42.7	- 4 45	5757	7.8			+.023	7	18	-.235
438	PGC 5881	22 42.7	- 4 45	5757	7.3	G0	.354	+.012	6	17	-.217
439	Cin 3001	22 55.0	-23 4	17699	7.6	Ma	.899	+.116	6	21	-.957
440	Lac 9352	22 59.4	-36 26	15693	7.34	Map	6.900	+.292	5	17	+6.741
441	PGC 5977	23 8.9	- 9 28	6149	8.3	G0	.559	+.025	6	18	+.550
442	Cin 3039	23 8.9	- 9 28	6150	9.4	G	.542	+.012	8	21	+.529
443	Cin 3124	23 44.0	+ 1 52	4774	8.7	Ma	1.393	+.162	6	19	+.999
444	Cin 3161	23 59.5	-37 51	15492	8.3	K5	6.112	+.220	5	19	+5.634

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
400	- 58	+ 16	.134	- 34	- 8	.175	+ 17	- 35	.385	+ 23	+ 45	.298	10.9	5000	- .0590
401	- 51	- 35	.347	+ 16	+ 51	.262	+ 44	- 3	.391				12.0	5000	+ 2100
402	- 51	- 35	.347	+ 16	+ 51	.262	+ 44	- 3	.391				12.0	5000	- 2200
403	- 40	+ 9	.253	+ 3	+ 23	.310	+ 7	- 24	.191	+ 32	- 20	.246	14	5050	*
404	- 18	+ 49	.260	- 10	- 48	.271	- 2	- 27	.260	+ 33	+ 38	.209	9.9	5800	*
405	- 89	- 43	.188	- 26	+ 8	.081	+ 14	- 10	.494	+ 38	+ 44	.259	10.3	5300	*
406	- 16	+ 60	.310	- 15	- 57	.170	0	- 55	.180	+ 23	+ 4	.334	10.8	5900	*
407	- 55	+ 26	.262	- 51	- 2	.131	- 3	- 35	.208	+ 54	+ 3	.389	11.4	5000	*
408	- 79	+ 18	.331	- 14	- 49	.140	+ 39	+ 22	.374	+ 88	- 49	.155	10.7	5250	*
409	- 79	+ 2	.176	- 15	- 54	.232	+ 17	+ 49	.254	+ 38	+ 5	.338	10.7	5250	*
410	- 50	- 2	.233	- 38	- 11	.281	+ 37	- 36	.266	+ 59	+ 60	.220	11.4	5300	*
411	- 84	+ 30	.185	+ 8	+ 28	.217	+ 11	- 75	.275	+ 33	+ 28	.323	11.5	5650	*
412	- 89	+ 56	.299	- 38	- 32	.073	+ 13	- 11	.433	+ 15	+ 6	.395	11.0	5700	- 1000
413	- 18	0	.332	- 4	+ 4	.350	+ 22	- 38	.179	+ 23	+ 40	.141	11.7	6000	*
414	- 15	+ 3	.400	- 13	+ 9	.259	+ 20	+ 39	.136	+ 34	- 43	.205	11.2	5800	*
415	- 78	+ 58	.252	- 16	- 39	.289	+ 38	- 30	.252	+ 77	+ 14	.197	11.8	5800	*
416	- 86	+ 83	.181	- 24	- 33	.302	+ 30	- 15	.329	+ 59	+ 20	.188	11.8	5800	*
417	- 70	- 48	.189	- 39	+ 45	.386	+ 42	- 50	.149	+ 80	- 3	.276	11.5	5850	*
418	- 22	- 41	.377	+ 5	- 55	.147	+ 13	+ 59	.338	+ 25	+ 25	.138	11.0	5000	0
419	- 20	+ 40	.373	- 17	- 42	.323	+ 34	- 71	.136	+ 52	+ 49	.168	12.0	5300	- 300
420	- 22	- 28	.452	- 21	+ 35	.325	+ 74	+ 2	.223				10.5	5000	+ 300
421	- 47	- 8	.274	- 47	+ 54	.214	+ 42	- 49	.288	+ 49	+ 21	.224	10.3	5000	0
422	- 48	+ 50	.184	- 14	- 46	.482	+ 47	+ 39	.334				11.9	5300	*
423	- 41	+ 51	.414	- 3	- 45	.311	+ 66	- 27	.275				10.9	5000	*
424	- 55	+ 14	.122	- 52	+ 7	.232	+ 19	- 36	.428	+ 49	+ 54	.218	10.7	5000	0
425	- 33	+ 34	.355	- 2	- 57	.360	+ 43	+ 42	.285				10.6	5730	0
426	- 33	+ 55	.180	- 15	- 8	.270	+ 15	- 62	.343	+ 24	+ 66	.207	10.4	5750	0
427	- 47	- 9	.199	+ 4	- 62	.380	+ 18	+ 61	.421				11.1	5200	- 300
428	- 41	- 58	.206	- 23	+ 71	.170	+ 19	+ 48	.282	+ 21	- 41	.340	11.4	5900	*
429	- 58	+ 17	.336	+ 8	- 50	.370	+ 57	+ 44	.294				10.5	5100	- 100
430	- 59	+ 1	.309	+ 21	- 34	.140	+ 28	+ 8	.551				10.3	5750	*
431	- 62	- 51	.229	- 57	+ 56	.331	+ 75	- 23	.440				10.6	5175	*
432	- 42	+ 37	.346	- 4	- 12	.253	+ 22	- 50	.203	+ 58	+ 1	.188	10.3	5400	- 600
433	- 53	- 54	.289	- 42	+ 59	.168	+ 41	- 5	.343	+ 41	+ 39	.200	11.3	5750	0
434	- 63	- 51	.240	- 17	+ 49	.326	+ 4	- 45	.187	+ 80	+ 20	.247	11.5	5900	*
435	- 52	+ 13	.267	- 35	- 14	.120	+ 16	- 21	.193	+ 38	+ 6	.420	11.0	5150	+ 400
436	- 52	+ 13	.267	- 35	- 14	.120	+ 16	- 21	.193	+ 38	+ 6	.420	11.0	5150	- 800
437	- 62	- 9	.216	- 25	+ 62	.164	+ 12	- 24	.351	+ 50	0	.252	12.0	5200	+ 600
438	- 62	- 9	.216	- 25	+ 62	.164	+ 12	- 24	.351	+ 50	0	.252	12.0	5200	- 1000
439	- 29	+ 25	.255	- 10	- 18	.205	+ 9	- 69	.251	+ 25	+ 50	.282	10.3	5400	*
440	- 54	- 39	.228	+ 7	+ 51	.286	+ 7	- 33	.217	+ 41	+ 6	.252	11.2	6000	*
441	- 29	- 57	.250	- 26	- 9	.202	- 6	+ 60	.243	+ 46	+ 2	.305	12.4	5300	*
442	- 29	- 56	.250	- 26	- 8	.202	- 6	+ 62	.243	+ 48	+ 4	.305	12.4	5300	*
443	- 66	+ 8	.315	- 34	+ 21	.147	+ 31	+ 30	.171	+ 56	- 29	.357	10.4	5200	*
444	- 65	+ 15	.375	+ 25	- 35	.379	+ 50	+ 31	.246				10.8	5800	*

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	s	r
								mm	mm	mm	mm	mm	mm
400	14.9	- 1.79	95.8	+0.57	+1.46	10.69	10.64	+.0052	+.0388	+.0222	+.00046	+.00154	+.00182
401	6.6	- 4.06	43.4	+0.32	-1.30	4.56	4.47	- 33	- 342	- 95	- 141	- 136	+ 162
402	13.2	- 8.11	86.8	+0.64	-3.82	9.12	8.95	+ 359	- 2638	- 233	+ 644	- 122	- 159
403	14.0	-13.68	348.6	+1.24	+2.14	8.75	8.62	+ 215	- 3663	- 218	+ 243	+ 2114	- 136
404	13.2	- 2.55	230.8	+1.18	+3.55	13.34	13.21	- 45	+ 2376	+ 757	- 45	+ 734	+ 554
405	19.1	- 0.43	203.8	+0.26	+0.24	14.63	14.69	- 9	+ 509	+ 87	- 5	+ 3625	+ 1359
406	17.6	- 5.26	203.6	+1.34	+0.96	11.28	11.07	- 302	+ 1430	+ 89	- 159	+ 1166	+ 893
407	14.3	+ 0.83	266.0	-0.67	-0.19	10.82	10.18	- 1264	+ 800	+ 905	- 247	+ 1434	+ 831
408	17.1	+ 1.60	148.8	-1.66	+0.81	13.39	13.22	- 24	+ 73	+ 189	- 1	- 1436	+ 141
409	14.5	+ 0.94	144.8	-0.83	-1.33	11.63	11.58	- 55	+ 198	+ 188	- 30	- 1485	+ 161
410	14.4	+ 3.56	97.9	+2.61	+1.62	10.32	9.84	+ 200	- 404	+ 282	+ 105	- 1849	+ 255
411	13.4	+ 1.73	165.0	-1.08	-0.33	9.64	9.55	- 59	+ 39	+ 707	+ 14	- 1796	+ 735
412	14.4	- 1.91	234.0	-0.46	+3.25	11.23	11.18	- 64	- 3041	+ 1379	- 24	- 148	+ 1269
413	9.5	- 2.05	120.8	+1.59	+0.47	8.16	7.88	+ 88	+ 170	+ 653	- 40	- 1890	+ 808
414	15.5	+ 4.41	257.2	+0.15	+2.65	12.65	12.62	+ 389	+ 1433	+ 1062	+ 231	- 1157	+ 828
415	13.6	- 1.65	164.8	-0.21	0	11.79	11.79	+ 9	- 372	+ 560	+ 11	- 1322	+ 475
416	13.6	- 1.65	164.8	-0.21	0	11.79	11.79	+ 240	- 491	+ 586	+ 181	- 1328	+ 500
417	14.8	- 0.98	93.7	-1.11	+0.16	13.13	13.05	- 148	+ 632	+ 1078	- 34	+ 1666	+ 816
418	16.5	+ 2.05	143.0	+1.62	+0.51	13.54	13.38	+ 1236	- 686	+ 278	+ 745	- 59	+ 123
419	13.1	- 3.98	169.0	+0.09	-0.74	11.24	11.24	+ 347	+ 4307	+ 271	+ 343	+ 264	+ 256
420	13.9	- 3.09	88.4	+2.28	+4.93	11.51	10.80	+ 216	+ 1419	+ 429	+ 144	+ 150	+ 281
421	14.1	- 2.39	90.9	+2.48	+5.62	11.71	10.87	+ 976	+ 1153	+ 475	+ 680	+ 132	+ 198
422	13.8	+ 9.30	611.6	+1.55	-2.51	10.58	10.39	- 202	- 1089	+ 193	- 159	- 415	+ 202
423	15.1	- 0.95	104.5	+1.01	+1.92	11.77	11.66	+ 130	+ 853	+ 46	+ 85	+ 1724	+ 327
424	14.3	+10.88	139.9	-0.17	-4.42	12.09	11.95	- 1438	+ 6915	+ 873	- 1480	+ 639	+ 940
425	16.8	+ 0.54	137.6	+0.47	+1.33	13.65	13.63	- 2054	- 7968	+ 147	- 1210	- 576	+ 205
426	15.5	- 1.10	126.3	+1.17	+3.12	12.62	12.45	- 313	+ 3	- 48	- 201	- 1	- 19
427	14.5	- 1.07	92.5	-1.45	+1.07	11.26	11.11	+ 615	+ 586	+ 11	- 435	- 68	+ 53
428	14.6	+ 0.44	186.2	+0.51	+4.08	11.45	11.34	- 57	+ 337	+ 252	- 47	+ 443	+ 221
429	16.1	+ 0.68	207.9	+0.71	-1.91	13.49	13.44	+ 51	+ 379	+ 94	- 28	- 13	+ 71
430	16.1	- 5.26	158.8	+1.42	+2.73	13.11	12.92	+ 25	+ 6	+ 371	- 12	+ 1295	+ 286
431	16.6	+ 0.59	247.7	+1.18	-3.95	13.57	13.43	+ 72	+ 538	- 169	+ 52	- 4780	+ 1377
432	14.2	- 0.14	134.8	+1.11	+0.39	10.54	10.44	+ 33	+ 1767	+ 34	+ 23	+ 332	+ 16
433	14.2	- 1.88	116.6	+1.19	+1.80	10.73	10.60	+ 705	+ 7572	+ 534	+ 556	+ 653	+ 326
434	16.0	+ 3.58	261.9	-0.73	+0.39	11.31	11.28	- 82	+ 2245	+ 282	- 59	+ 1886	+ 242
435	15.1	+ 1.88	190.4	+1.61	-7.37	10.97	10.50	- 453	+ 4004	- 143	- 334	+ 216	+ 64
436	15.1	+ 1.88	190.4	+1.61	-7.37	10.97	10.50	+ 168	+ 3855	- 88	+ 81	+ 203	+ 45
437	11.4	+ 1.25	152.6	+1.80	+2.67	8.30	7.98	- 549	- 5246	- 73	- 453	- 342	+ 220
438	11.4	+ 1.25	152.6	+1.80	+2.67	8.30	7.98	- 291	- 4825	- 73	- 232	- 335	+ 64
439	17.1	+ 6.21	121.0	+3.87	+6.10	12.93	11.86	- 243	- 838	+ 642	- 248	- 1392	+ 605
440	16.6	+ 8.57	301.0	+1.25	+2.90	12.50	12.39	+ 34	+ 214	+ 68	+ 14	+ 3806	+ 1552
441	12.5	+ 7.74	179.4	+1.85	+3.16	8.93	8.64	- 40	+ 700	+ 116	- 76	+ 800	+ 132
442	10.4	+ 8.01	144.9	+1.47	+2.85	7.42	7.19	+ 376	+ 21	+ 94	+ 368	+ 770	+ 61
443	15.8	+ 1.93	213.3	+2.03	+1.64	11.04	10.77	- 268	+ 1115	+ 40	- 184	+ 1453	+ 862
444	18.9	+ 5.37	473.0	+0.91	+5.89	13.42	13.31	+ 25	- 118	+ 95	+ 11	+ 2396	+ 1171

(400) β 1000 $1^h 30^m.4$ $-30°26'$

J.D.	h	P	m	p	v
	min				
5591	+ 8	- .74	- 63	0.8	+ ".023
5593	+ 5	- .76	- 77	0.6	- 2
5600	+ 5	- .82	-102	0.6	- 47
5601	0	- .82	- 87	0.5	- 23
5805	- 4	+ .94	- 26	0.6	- 30
5806	- 4	+ .94	- 22	0.8	- 21
5813	- 2	+ .94	- 11	0.5	- 4
5815	- 6	+ .94	+ 5	0.7	+ 24
5816	- 6	+ .94	+ 12	0.9	+ 39
5956	+ 4	- .73	- 46	0.6	- 58
5957	- 5	- .75	- 6	1.1	+ 19
5967	+ 5	- .82	+ 18	0.7	+ 64
6176	+ 5	+ .95	+ 52	0.6	+ 2
6179	+ 3	+ .95	+ 52	1.1	+ 2
6181	- 3	+ .94	+ 61	0.8	+ 19
6183	0	+ .93	+ 33	1.0	- 36
6309	+ 7	- .60	+ 58	1.0	+ 24
6321	+ 3	- .73	+ 65	0.5	+ 39
6325	+ 2	- .77	+ 22	0.8	- 41
6329	+ 4	- .80	+ 31	0.7	- 23

(401) θ^1 Erid $2^h 54^m.5$ $-40°42'$

J.D.	h	P	m	p	v
	min				
4503	+ 3	- .61	+128	0.2	+ ".160
4515	+ 8	- .75	+ 78	0.3	+ 71
4520	+ 5	- .80	- 31	0.3	- 130
4741	+ 7	+ .97	+ 27	0.4	- 19
4756	+ 2	+ .92	+ 22	0.5	- 23
4760	0	+ .89	+ 44	0.5	+ 21
4767	+ 6	+ .83	+ 40	0.5	+ 15
4880	+ 3	- .75	- 18	0.3	- 15
4886	0	- .80	- 67	0.3	- 103
4887	+ 3	- .80	0	0.4	+ 24
5122	+ 4	+ .91	- 19	0.3	- 4
5125	+ 5	+ .89	- 5	0.4	+ 21
5134	+ 3	+ .82	- 18	0.4	+ 2
5143	- 7	+ .74	- 48	0.3	- 51
5244	+ 8	- .73	- 77	0.4	- 34
5253	+ 2	- .81	- 39	0.4	+ 41
5255	+ 2	- .83	- 72	0.3	- 17
5256	+ 4	- .84	- 32	0.4	+ 58

(402) θ^2 Erid $2^h 54^m.5$ $-40°42'$

J.D.	h	P	m	p	v
	min				
4503	+ 3	- .61	+160	0.4	+ ".086
4515	+ 8	- .75	+171	0.6	+ 113
4520	+ 5	- .80	+ 58	0.6	- 98
4741	+ 7	+ .97	+125	0.8	+ 24
4756	+ 2	+ .92	+ 92	1.0	- 32
4760	0	+ .89	+ 92	1.0	- 28
4767	+ 6	+ .83	+ 84	1.0	- 41
4880	+ 3	- .75	+ 73	0.6	+ 11
4886	0	- .80	+ 39	0.6	- 49
4887	+ 3	- .80	+ 77	0.8	+ 21
5122	+ 4	+ .91	+ 91	0.6	+ 51
5125	+ 5	+ .89	+ 99	0.8	+ 68
5134	+ 3	+ .82	+ 59	0.8	- 4
5143	- 7	+ .74	+ 50	0.6	- 19
5244	+ 8	- .73	+ 7	0.8	- 30
5253	+ 2	- .81	+ 25	0.8	+ 9
5255	+ 2	- .83	+ 18	0.6	- 4
5256	+ 4	- .84	+ 15	0.8	- 9

(403) Ross 578 $3^h 33^m.4$ $-11°46'$

J.D.	h	P	m	p	v
	min				
5152	- 2	+ .75	- 78	0.7	- ".028
5154	+ 4	+ .73	- 29	0.7	+ 64
5245	+ 9	- .64	- 99	1.0	- 39
5508	+17	+ .84	+ 8	0.8	+ 55
5613	+11	- .67	- 74	0.8	- 70
5615	+ 8	- .70	- 50	1.0	- 24
5864	+10	+ .91	+ 46	0.7	+ 47
5868	+ 3	+ .88	+ 15	0.8	- 9
5979	+ 6	- .69	+ 66	0.2	+ 117
5984	+10	- .74	- 18	0.8	- 41
5985	+15	- .74	- 4	0.7	- 17
6217	0	+ .96	+ 55	0.3	- 13
6218	- 5	+ .96	+ 64	0.8	+ 4
6337	+ 7	- .60	+110	0.7	+ 118
6346	0	- .71	+ 30	0.3	- 30
6347	0	- .72	+ 84	1.0	+ 71
6587	- 2	+ .95	+ 65	0.7	- 73
6595	0	+ .91	+ 75	1.0	- 55
6602	+11	+ .86	+118	0.5	+ 26
6716	0	- .75	+ 72	0.5	- 28

(404) BS 1614 $4^h 55^m.9$ $-5°52'$

J.D.	h	P	m	p	v
	min				
5178	0	+ .70	- 50	0.8	- ".051
5185	- 8	+ .60	- 19	1.1	+ 21
5268	- 2	- .70	- 98	1.2	- 9
5508	+ 5	+ .98	+ 38	0.8	+ 30
5518	+ 2	+ .94	+ 51	0.9	+ 55
5522	- 3	+ .91	+ 19	0.8	0
5636	+10	- .74	- 70	0.8	- 19
5641	+ 5	- .79	- 63	0.9	+ 2
5645	+ 4	- .83	- 74	0.9	- 19
5654	0	- .91	- 55	0.8	+ 24
5893	+ 9	+ .86	+ 35	1.2	- 32
5896	0	+ .84	+ 30	0.6	- 55
6002	0	- .74	- 40	1.1	- 24
6004	+ 2	- .76	- 7	0.8	+ 38
6007	- 2	- .80	- 61	0.9	- 60
6010	+ 2	- .83	- 5	1.1	+ 47
6013	- 4	- .85	- 19	0.8	+ 24
6236	0	+ .99	+ 92	1.0	0
6239	0	+ .98	+ 99	0.9	+ 17
6256	- 3	+ .88	+ 77	1.1	- 21
6262	+ 5	+ .83	+ 95	0.7	+ 21

(405) CZ 243 $5^h 7^m.7$ $-44°59'$

J.D.	h	P	m	p	v
	min				
4800	+ 2	+ .87	- 2	0.8	+ ".011
4814	- 2	+ .71	- 1	1.0	+ 13
4910	+ 5	- .75	- 7	0.9	+ 15
4912	+ 5	- .78	- 32	0.9	- 32
4918	+ 6	- .84	- 8	0.9	+ 13
4924	+ 4	- .89	- 34	0.7	- 38
5146	0	+ .99	- 2	0.8	- 6
5148	0	+ .98	- 9	0.9	- 21
5160	+ 4	+ .91	- 13	1.0	- 26
5164	- 2	+ .88	+ 2	0.8	0
5287	+ 3	- .87	+ 14	0.8	+ 38
5291	+ 6	- .90	+ 2	0.9	+ 13
5292	+ 9	- .91	+ 9	0.8	+ 28
5519	+ 7	+ .95	+ 2	1.2	- 17
5525	0	+ .91	+ 43	0.7	+ 62
5527	+ 2	+ .90	+ 15	1.0	+ 8
5641	+ 6	- .76	- 9	1.0	- 21
5645	+ 4	- .81	- 6	1.0	- 19
5657	+ 4	- .91	+ 20	1.2	+ 32
5660	+ 5	- .93	- 32	0.6	- 66
5887	+ 5	+ .93	+ 19	0.7	- 2
5891	+ 6	+ .91	+ 22	0.5	+ 4

(406) Cin 705 5h 26.4m -3° 42'

J.D.	h	P	m	p	v
	min				
5186	- 6	+ .69	- 65	0.6	- ".015
5187	- 3	+ .67	- 67	1.0	- 19
5193	- 4	+ .59	- 54	0.9	+ 6
5641	0	- .71	- 22	0.6	+ 32
5642	+ 4	- .73	- 17	0.8	+ 41
5649	+ 8	- .81	- 29	0.9	+ 19
5663	0	- .92	- 48	0.6	- 17
5886	0	+ .95	- 17	1.0	- 17
5893	0	+ .92	+ 9	0.8	+ 32
5900	0	+ .87	- 3	0.8	+ 9
5915	- 6	+ .71	- 12	0.8	- 8
6005	- 2	- .70	- 10	1.0	+ 11
6010	+ 3	- .76	- 32	1.2	- 30
6013	+ 2	- .80	- 26	1.0	- 19
6019	0	- .85	- 10	1.0	+ 11
6029	0	- .93	- 32	0.8	- 30
6262	+ 3	+ .89	- 11	0.8	- 51
6265	0	+ .87	+ 39	1.1	+ 43
6277	- 2	+ .74	+ 29	1.0	+ 24
6278	0	+ .73	+ 5	0.9	- 21

(407) PGC 3812 14h 51.6m -20° 58'

J.D.	h	P	m	p	v
	min				
4595	0	+ .69	- 12	0.6	+ ".056
4597	- 2	+ .66	- 82	0.9	- 73
4598	+ 9	+ .65	- 15	0.7	+ 56
4600	+ 12	+ .62	- 33	0.7	+ 24
4710	0	- .88	- 159	0.9	+ 15
4714	+ 4	- .91	- 168	0.7	+ 6
4716	+ 4	- .92	- 184	0.5	- 24
4726	+ 7	- .96	- 181	0.6	- 15
4730	+ 12	- .96	- 194	0.9	- 38
4943	+ 7	+ .85	- 24	0.4	- 15
4950	+ 6	+ .79	- 2	0.7	+ 34
4951	+ 11	+ .78	- 11	0.8	+ 21
5077	+ 6	- .89	- 167	0.6	- 21
5080	+ 5	- .91	- 146	0.7	+ 21
5092	+ 4	- .96	- 146	0.6	+ 30
5094	+ 8	- .96	- 154	0.5	+ 15
5302	+ 5	+ .88	+ 24	0.5	+ 47
5306	+ 9	+ .86	- 67	0.4	- 118
5308	0	+ .85	+ 2	0.6	+ 11
5318	0	+ .77	- 43	0.7	- 64
6042	+ 9	+ .82	+ 20	0.5	+ 4
6189	+ 9	- .96	- 115	0.8	+ 19

(408) Cin 2018 15h 4.7m -15° 59'

J.D.	h	P	m	p	v
	min				
5694	- 6	+ .69	- 9	0.7	- ".032
5811	+ 4	- .89	+ 8	0.7	+ 43
5812	- 5	- .91	+ 4	0.5	+ 36
5813	+ 2	- .92	+ 9	0.6	+ 45
5819	- 2	- .94	- 17	0.5	- 6
6029	0	+ .92	+ 4	0.9	- 15
6036	- 3	+ .88	- 7	0.5	- 34
6046	+ 3	+ .82	- 3	0.4	- 26
6049	+ 2	+ .79	+ 7	0.9	- 6
6179	+ 4	- .91	- 49	0.6	- 68
6181	+ 8	- .92	- 3	1.0	+ 21
6187	+ 5	- .95	- 22	1.0	- 15
6398	+ 2	+ .91	- 31	0.9	- 81
6399	+ 2	+ .90	+ 49	0.8	+ 66
6411	+ 4	+ .82	+ 30	1.1	+ 34
6428	- 2	+ .64	+ 30	1.0	+ 38
6544	+ 2	- .91	- 35	1.2	- 43
6548	+ 3	- .93	+ 20	0.7	+ 60
6549	+ 3	- .94	- 49	1.2	- 70
6559	0	- .97	+ 16	1.0	+ 55
6761	+ 2	+ .92	+ 26	0.9	+ 21

(409) Cin 2019 15h 4.7m -15° 54'

J.D.	h	P	m	p	v
	min				
5694	- 6	+ .69	- 7	0.7	- ".013
5811	+ 4	- .89	- 46	0.7	- 41
5812	- 5	- .91	+ 29	0.5	+ 102
5813	+ 2	- .92	- 4	0.6	+ 38
5819	- 2	- .94	- 20	0.5	+ 8
6029	0	+ .92	+ 3	0.9	- 11
6036	- 3	+ .88	- 33	0.5	- 77
6046	+ 3	+ .82	- 23	0.4	- 56
6049	+ 2	+ .79	+ 2	0.9	- 9
6187	+ 5	- .95	- 20	1.0	- 2
6398	+ 2	+ .91	+ 27	0.9	+ 23
6399	+ 2	+ .90	+ 42	0.8	+ 53
6411	+ 4	+ .82	+ 22	1.1	+ 19
6544	+ 2	- .91	- 9	1.2	+ 9
6548	+ 3	- .93	+ 1	0.7	+ 28
6549	+ 3	- .94	- 44	1.2	- 56
6559	0	- .97	- 18	1.0	- 8
6761	+ 2	+ .92	+ 21	0.9	+ 2

(410) Ait 691 15h 8.8m -0° 58'

J.D.	h	P	m	p	v
	min				
4943	0	+ .88	+ 65	0.8	+ ".028
4947	0	+ .86	+ 51	0.7	+ 2
4950	- 4	+ .83	+ 26	0.7	- 41
4960	0	+ .74	+ 41	0.6	- 11
5077	+ 3	- .87	- 17	0.6	- 30
5084	+ 2	- .91	+ 5	0.7	+ 11
5092	- 2	- .95	0	0.7	+ 8
5300	+ 3	+ .92	+ 54	0.7	+ 38
5323	+ 6	+ .76	+ 46	0.7	+ 34
5325	- 4	+ .74	+ 22	0.9	- 13
5329	+ 9	+ .69	+ 13	0.9	- 26
5440	+ 2	- .85	- 22	0.7	- 8
5451	+ 4	- .92	- 44	0.7	- 45
5452	+ 3	- .92	- 6	0.8	+ 26
5458	0	- .95	- 8	1.0	+ 26
5666	0	+ .92	+ 44	0.7	+ 53
5678	+ 7	+ .85	+ 26	0.8	+ 24
5687	- 3	+ .78	- 13	0.9	- 47
5694	+ 2	+ .70	- 10	0.8	- 36

(411) Wolf 562 15h 14.2m -7° 21'

J.D.	h	P	m	p	v
	min				
5077	+ 5	- .86	- 95	0.5	- ".058
5092	+ 4	- .95	- 74	0.8	+ 6
5329	- 5	+ .71	+ 45	0.8	- 13
5330	+ 5	+ .70	+ 60	0.6	+ 17
5331	+ 2	+ .69	+ 73	1.0	+ 41
5458	+ 8	- .95	- 79	0.8	- 17
5461	+ 6	- .96	- 84	0.6	- 28
5462	- 2	- .96	- 72	0.8	- 6
5670	+ 5	+ .91	+ 98	0.6	+ 55
5694	+ 10	+ .72	+ 64	0.7	+ 17
5695	+ 4	+ .70	+ 45	0.8	- 15
5696	- 5	+ .69	+ 63	0.6	+ 19
5822	+ 4	- .95	- 15	0.5	+ 100
5830	+ 10	- .97	- 77	0.5	- 17
6048	+ 3	+ .83	+ 34	0.7	- 55
6055	+ 10	+ .76	+ 41	0.6	- 32
6060	- 10	+ .70	+ 27	0.5	- 51
6187	+ 6	- .95	- 66	0.7	+ 2
6190	+ 7	- .95	- 62	0.6	+ 9
6193	0	- .97	- 55	0.7	+ 24

(412) 16h 24.7m −12° 25′

J.D.	h	P	m	p	v
	min				″
5085	+ 4	− .78	− 30	0.8	− .038
5092	+ 2	− .85	− 16	1.0	+ 9
5094	+ 5	− .87	− 30	0.9	− 15
5331	+ 4	+ .87	+ 178	1.0	+ 23
5350	− 3	+ .69	+ 135	1.1	− 4
5474	+ 6	− .96	− 81	0.8	+ 19
5687	+ 2	+ .93	+ 118	0.8	0
5694	+ 2	+ .89	+ 134	0.8	+ 43
5697	+ 5	+ .87	+ 116	0.5	+ 15
5704	+ 7	+ .81	+ 96	0.8	− 8
5844	+ 9	− .98	− 156	0.5	− 15
5846	+ 7	− .99	− 136	0.5	+ 26
6052	0	+ .93	+ 56	0.8	− 15
6060	+ 5	+ .88	+ 60	0.4	+ 8
6063	+ 6	+ .86	+ 20	0.8	− 62
6067	− 10	+ .84	+ 57	0.7	+ 11
6193	+ 7	− .90	− 191	0.7	− 1
6196	+ 5	− .91	− 191	0.8	0
6210	+ 9	− .98	− 201	0.7	0
6211	+ 8	− .99	− 197	0.5	+ 15

(413) Wolf 629 16h 49.6m −8° 8′

J.D.	h	P	m	p	v
	min				″
5092	+ 2	− .80	− 152	0.1	− .139
5356	+ 2	+ .70	+ 85	0.3	+ 73
5687	0	+ .97	+ 81	0.7	+ 19
5689	+ 3	+ .96	+ 26	0.6	− 85
5696	+ 7	+ .92	+ 97	0.5	+ 56
5702	+ 8	+ .89	+ 47	0.8	− 34
5834	+ 6	− .90	− 71	0.4	+ 15
5839	+ 2	− .93	− 90	0.6	− 17
5844	+ 10	− .96	− 80	0.4	+ 8
5849	+ 13	− .98	− 78	0.8	+ 11
6057	+ 2	+ .95	+ 73	0.4	0
6062	+ 6	+ .92	+ 84	0.5	+ 24
6063	+ 4	+ .91	+ 25	0.4	− 86
6067	+ 5	+ .89	+ 119	0.5	+ 94
6202	+ 7	− .92	− 83	0.4	− 13
6210	+ 7	− .96	− 79	0.3	+ 2
6213	+ 5	− .97	− 49	0.5	+ 58
6217	+ 10	− .99	− 122	0.3	− 75
6789	+ 10	+ .94	+ 82	0.6	+ 4
6800	0	+ .87	+ 54	0.4	− 38

(414) Cin 2251 16h 50.1m −8° 9′

J.D.	h	P	m	p	v
	min				″
5092	+ 2	− .80	− 67	0.7	+ .013
5094	+ 5	− .82	− 95	1.0	− 38
5354	+ 6	+ .72	+ 77	0.7	+ 24
5356	+ 2	+ .70	+ 77	1.0	+ 24
5687	0	+ .97	+ 95	0.8	− 6
5689	+ 3	+ .96	+ 73	0.6	− 45
5696	+ 7	+ .92	+ 98	0.7	+ 6
5702	+ 8	+ .89	+ 84	0.7	− 19
5834	+ 6	− .90	− 74	0.7	− 45
5839	+ 2	− .93	− 84	0.9	− 60
5844	+ 10	− .96	− 67	0.8	− 24
5849	+ 13	− .98	− 54	0.6	+ 4
6057	+ 2	+ .95	+ 144	0.7	+ 58
6062	+ 6	+ .92	+ 114	0.7	+ 8
6063	+ 4	+ .91	+ 107	0.9	− 4
6067	+ 5	+ .89	+ 139	0.5	+ 56
6202	+ 7	− .92	+ 7	0.7	+ 81
6210	+ 7	− .96	− 37	0.7	+ 2
6213	+ 5	− .97	− 28	0.7	+ 21
6217	+ 10	− .99	− 5	0.7	+ 68
6789	+ 10	+ .94	+ 92	0.7	− 98

(415) FBC 4342 16h 59.8m −4° 54′

J.D.	h	P	m	p	v
	min				″
5111	0	− .94	− 48	0.6	− .038
5122	+ 9	− .98	− 37	0.6	− 11
5340	+ 4	+ .88	+ 58	0.8	+ 9
5360	0	+ .68	+ 51	0.5	+ 15
5480	+ 6	− .95	− 51	0.6	− 26
5486	+ 9	− .98	− 26	0.7	+ 24
5689	+ 2	+ .97	+ 70	0.7	+ 38
5696	+ 8	+ .94	+ 93	0.6	+ 85
5697	+ 2	+ .94	+ 39	0.7	− 17
5701	− 2	+ .91	+ 39	0.7	− 15
5836	+ 7	− .89	− 50	0.8	− 17
5843	+ 6	− .94	− 30	0.7	+ 28
6057	+ 3	+ .96	+ 26	0.8	− 28
6060	+ 4	+ .94	+ 23	0.6	− 32
6063	+ 4	+ .93	+ 56	0.5	+ 32
6064	0	+ .93	+ 14	0.9	− 47
6206	+ 6	− .93	− 58	1.0	− 11
6207	+ 11	− .94	− 67	0.4	− 26
6210	+ 6	− .95	− 41	0.7	+ 23
6213	+ 4	− .96	− 33	0.7	+ 39

(416) Wolf 636 17h 0.0m −4° 55′

J.D.	h	P	m	p	v
	min				″
5111	0	− .94	− 20	0.6	− .019
5122	+ 9	− .98	+ 17	0.6	+ 55
5340	+ 4	+ .88	+ 64	0.8	− 21
5360	0	+ .68	+ 74	0.5	+ 19
5480	+ 6	− .95	− 42	0.6	− 39
5486	+ 9	− .98	− 29	0.7	− 13
5689	+ 2	+ .97	+ 73	0.7	+ 6
5696	+ 8	+ .94	+ 80	0.6	+ 23
5697	+ 2	+ .94	+ 78	0.7	+ 19
5701	− 2	+ .91	+ 53	0.7	− 28
5836	+ 7	− .89	− 49	0.8	− 41
5843	+ 6	− .94	− 2	0.7	+ 53
6057	+ 3	+ .96	+ 54	0.8	− 9
6060	+ 4	+ .94	+ 20	0.6	− 71
6063	+ 4	+ .93	+ 84	0.5	+ 49
6064	0	+ .93	+ 70	0.9	+ 24
6206	+ 6	− .93	− 38	1.0	+ 4
6207	+ 11	− .94	− 67	0.4	− 51
6210	+ 6	− .95	− 40	0.7	+ 2
6213	+ 4	− .96	− 27	0.7	+ 26

(417) 17h 12.1m −34° 53′

J.D.	h	P	m	p	v
	min				″
5465	+ 3	− .82	− 160	0.7	− .122
5475	+ 2	− .91	− 123	0.8	− 38
5480	+ 3	− .94	− 91	0.7	+ 24
5487	+ 2	− .97	− 65	0.5	+ 77
5689	0	+ .98	+ 70	0.5	+ 9
5697	0	+ .95	+ 82	0.8	+ 32
5701	− 2	+ .94	+ 54	0.8	− 17
5702	+ 5	+ .93	+ 89	1.2	+ 49
5705	− 2	+ .91	+ 122	0.7	+ 117
5836	+ 7	− .87	− 48	0.6	+ 51
5846	− 2	− .94	− 98	0.8	− 32
5852	− 10	− .97	− 90	0.9	− 15
5854	− 10	− .98	− 109	0.5	− 47
6056	− 3	+ .98	+ 37	0.6	− 102
6062	− 4	+ .95	+ 81	0.5	− 13
6064	− 7	+ .95	+ 79	0.7	− 17
6068	+ 7	+ .92	+ 51	1.0	− 64
6217	− 2	− .97	− 40	0.7	+ 34
6219	− 3	− .98	− 50	1.0	+ 19
6221	− 4	− .99	− 33	0.8	+ 51

(418) 17h 53m.5 +4° 28'

J.D.	h (min)	P	m	p	v (″)
4609	+10	+.97	+109	0.7	.000
4623	0	+.88	+112	0.7	+9
4625	+2	+.86	+95	0.8	-21
4641	-4	+.70	+118	1.0	+26
4751	+9	-.89	+81	0.9	+6
4758	0	-.94	+86	1.0	+15
4764	+4	-.97	+66	0.8	-19
4767	+3	-.98	+79	0.6	+4
4976	+6	+.96	+85	0.7	-2
4990	0	+.86	+76	0.9	-19
4992	0	+.84	+90	0.8	+11
5111	+8	-.84	+52	0.6	-11
5123	+8	-.93	+49	0.6	-13
5124	-5	-.94	+59	0.6	+4
5127	-2	-.95	+47	0.8	-15
5337	+2	+.97	+56	0.9	-21
5340	+2	+.96	+51	0.9	-26
5354	0	+.87	+75	1.0	+21
5356	+7	+.86	+76	1.0	+24
5494	0	-.96	+41	1.2	+11

(419) 18h 24m.7 -1° 53'

J.D.	h (min)	P	m	p	v (″)
4626	+8	+.91	-108	0.5	+.024
4627	+9	+.91	-104	0.5	+32
4628	+4	+.91	-128	0.8	-17
4775	+4	-.98	-142	0.4	-23
4993	+7	+.91	-29	0.8	-9
5126	+6	-.90	-27	0.8	+13
5127	0	-.91	-32	0.9	+6
5129	+4	-.93	-43	0.9	-15
5143	+9	-.99	-65	0.5	-64
5354	+6	+.93	+95	0.7	+43
5359	+8	+.90	+67	0.7	-11
5495	+8	-.93	+64	1.0	+4
5498	+7	-.94	+79	0.6	+32
5502	+7	-.96	+92	0.7	+56
5507	+7	-.98	+45	0.6	-38
5714	+2	+.96	+183	0.7	+28
5719	+6	+.93	+118	0.7	-96
5725	+8	+.90	+202	0.6	+60
5729	+6	+.86	+157	0.7	-23

(420) Ross 156 18h 48m.5 -22° 42'

J.D.	h (min)	P	m	p	v (″)
4622	+2	+.96	-5	0.6	+.019
4623	+5	+.96	-35	0.6	-38
4627	+4	+.94	-16	0.5	0
4634	+3	+.90	-29	0.5	-24
4758	+6	-.83	-72	0.8	-53
4760	0	-.84	-17	0.8	+55
4769	+2	-.92	-61	1.0	-26
4774	0	-.94	-29	0.7	+32
4984	+3	+.98	+61	0.7	+39
4991	+6	+.95	+63	0.7	+43
4997	0	+.91	+38	0.9	-4
4998	+3	+.90	+32	0.8	-13
5122	+7	-.81	+30	0.8	+39
5123	+3	-.82	+6	0.6	-6
5133	+4	-.91	-39	0.5	-88
5140	+5	-.94	+28	0.7	+34
5350	+6	+.98	+112	0.4	+34
5359	+6	+.94	+89	0.8	-9
5360	+5	+.93	+113	0.8	+36
5369	+7	+.86	+49	0.7	-85

(421) ν^2 Sgtr 18h 49m.1 -22° 48'

J.D.	h (min)	P	m	p	v (″)
4622	+2	+.96	+16	0.6	-.039
4623	+5	+.96	+58	0.6	+39
4627	+4	+.94	+17	0.5	-39
4634	+3	+.90	+47	0.5	+19
4758	+6	-.83	-33	0.8	-100
4760	0	-.84	+12	0.8	-13
4769	+2	-.92	+47	1.0	+53
4774	0	-.94	+47	0.7	+53
4984	+3	+.98	+85	0.7	0
4991	+6	+.95	+92	0.7	+11
4997	0	+.91	+89	0.9	+6
4998	+3	+.90	+93	0.8	+13
5122	+7	-.81	+62	0.8	-11
5123	+3	-.82	+50	0.6	-34
5133	+4	-.91	+80	0.5	+23
5140	+5	-.94	+79	0.7	+21
5350	+6	+.98	+153	0.6	+38
5359	+6	+.94	+144	0.8	+17
5360	+5	+.93	+139	0.8	+9
5369	+7	+.86	+92	0.7	-79

(422) BS 7637 19h 54m.4 -10° 13'

J.D.	h (min)	P	m	p	v (″)
4655	-4	+.85	+27	0.8	+.032
4669	0	+.71	-9	0.7	-30
4670	0	+.70	-8	0.8	-28
4776	+2	-.82	-6	0.5	+36
4786	0	-.91	-53	0.6	-51
4795	+3	-.95	+4	0.6	+60
4998	0	+.97	-4	0.7	-23
5010	+3	+.92	+5	0.7	-4
5143	+5	-.84	-76	0.6	-85
5151	+5	-.91	-47	0.6	-28
5157	+11	-.94	-9	0.7	+45
5160	+3	-.95	-39	0.6	-13
5364	-5	+.97	+49	0.6	+85
5371	+3	+.94	+18	0.7	+30
5382	+10	+.88	+4	0.7	+6
5383	-2	+.88	-10	0.6	-21
6246	+7	-.90	-33	0.7	+28
6480	+10	+.85	-23	0.8	-13
6483	0	+.83	-31	0.8	-28
6599	+7	-.80	-50	1.0	+2

(423) δ Pavo 19h 58m.9 -66° 26'

J.D.	h (min)	P	m	p	v (″)
4658	0	+.84	-17	0.8	-.038
4661	+8	+.81	+15	0.6	+24
4663	+4	+.79	+11	1.0	+15
4669	+7	+.72	+15	1.0	+24
4774	+3	-.79	-29	0.9	-56
4783	+2	-.87	+39	0.6	+71
4786	0	-.90	-14	0.8	-30
4791	0	-.92	0	0.8	-2
4997	-2	+.98	+14	0.6	+4
5007	+4	+.94	0	0.6	-21
5010	+5	+.93	+13	0.6	+4
5147	+2	-.86	+8	0.9	-4
5155	+3	-.92	+13	1.2	+4
5156	0	-.92	+5	1.2	-9
5164	-2	-.95	+45	0.5	+66
5365	+4	+.97	+13	0.6	-13
5371	+4	+.95	+9	0.9	-23
5381	+5	+.89	+32	0.9	+24
5383	+3	+.88	+18	0.6	-4

(424) BS 7703 20h 4m.6 -36° 21'

J.D.	h	P	m	p	v
	min				
4634	+ 2	+ .97	-277	0.5	+".026
4636	+ 2	+ .97	-307	0.6	- 32
4649	0	+ .91	-313	0.5	- 51
4651	- 3	+ .90	-269	0.5	+ 32
4776	0	- .81	-357	0.8	+ 19
4791	0	- .92	-365	0.8	+ 6
4795	0	- .93	-354	0.5	+ 26
4796	+ 3	- .94	-393	0.9	- 51
4998	0	+ .98	- 77	0.6	- 38
5006	- 4	+ .95	- 30	0.8	+ 47
5014	- 5	+ .91	- 66	0.6	- 23
5143	+ 2	- .82	-136	0.9	- 4
5152	0	- .89	-134	0.8	+ 2
5157	+ 8	- .92	- 87	0.7	+ 88
5367	+ 6	+ .97	+189	0.5	+ 21
5371	+ 6	+ .95	+160	0.9	- 34
5376	0	+ .93	+197	0.6	+ 34
5383	+ 3	+ .89	+187	0.8	+ 11
5523	+ 3	- .92	+107	1.0	+ 13
5525	+ 6	- .94	+ 70	1.0	- 55

(425) BS 7766 20h 14m.4 -50° 18'

J.D.	h	P	m	p	v
	min				
5032	0	+ .79	+303	1.0	+".009
5388	+ 6	+ .87	+ 52	0.6	- 79
5390	- 9	+ .85	+ 91	0.8	- 2
5507	+ 4	- .78	+ 11	1.0	+ 38
5509	+ 4	- .80	- 8	0.9	+ 4
5521	- 2	- .89	- 16	0.6	+ 6
5525	0	- .92	- 59	1.0	- 70
5734	- 5	+ .96	- 91	0.8	+ 23
5738	- 2	+ .95	-111	0.7	- 9
5740	+ 2	+ .94	- 74	0.6	+ 62
5742	- 4	+ .93	- 86	0.8	+ 41
5878	- 2	- .83	-200	1.1	+ 43
5888	0	- .91	-234	0.9	- 6
5893	0	- .93	-225	0.9	+ 19
5895	0	- .94	-256	1.0	- 38
5897	0	- .94	-229	0.9	+ 15
6096	- 5	+ .97	-312	0.8	0
6097	0	+ .97	-323	0.8	- 19
6103	- 2	+ .95	-338	0.7	- 41
6109	- 4	+ .93	-325	0.9	- 11

(426) BS 7794 20h 18m.2 +5° 1'

J.D.	h	P	m	p	v
	min				
5032	0	+ .79	- 24	0.8	-".008
5389	+ 2	+ .86	- 51	0.7	- 56
5390	- 2	+ .86	- 13	0.7	+ 15
5507	+ 5	- .77	0	0.8	+ 36
5514	+ 2	- .83	-34	0.6	- 28
5522	+ 4	- .89	- 12	1.0	+ 11
5525	0	- .91	-36	0.8	- 36
5734	- 4	+ .96	- 19	0.8	+ 6
5739	+ 3	+ .95	+ 5	0.7	+ 51
5740	+ 4	+ .95	+12	0.5	+ 64
5752	0	+ .88	- 23	0.8	- 2
5887	+ 2	- .89	- 15	0.8	+ 9
5888	+ 7	- .90	- 35	0.6	- 32
5890	+ 3	- .91	+14	0.8	+ 60
5893	+ 8	- .93	-34	1.0	- 28
5897	+ 4	- .94	- 17	0.8	+ 2
6098	0	+ .97	- 12	0.6	+ 19
6104	0	+ .95	- 38	1.0	- 28
6106	0	+ .95	- 31	0.9	- 17
6110	- 2	+ .92	- 28	0.8	- 11

(427) 69 Aql 20h 24m.4 -3° 13'

J.D.	h	P	m	p	v
	min				
4783	0	- .82	+ 12	0.6	+".002
4798	+ 2	- .92	- 12	0.5	- 43
4800	- 5	- .93	- 5	0.7	- 30
4803	+ 6	- .94	+ 9	0.6	- 2
5008	+ 2	+ .96	+ 39	0.8	+ 4
5021	+ 6	+ .89	+ 50	0.8	+ 26
5024	+ 2	+ .88	+ 54	0.7	+ 32
5025	0	+ .87	+ 31	1.0	- 9
5155	+ 3	- .88	+ 30	1.0	- 11
5157	+ 7	- .88	+ 44	1.0	+ 17
5163	0	- .92	+ 74	0.6	+ 70
5382	+ 3	+ .92	+ 27	0.7	- 62
5385	+ 5	+ .90	+ 84	0.8	+ 43
5388	+ 8	+ .88	+ 65	0.7	+ 8
5389	0	+ .88	+ 42	0.8	- 38
5507	+ 5	- .75	+ 65	0.8	+ 9
5511	+ 4	- .79	+ 84	0.9	+ 45
5518	0	- .85	+ 35	0.7	- 47
5525	0	- .90	+ 46	0.8	- 28

(428) φ^2 Pavo 20h 31m.8 -60° 53'

J.D.	h	P	m	p	v
	min				
5391	-11	+ .88	+ 85	0.3	+".135
5392	0	+ .86	+ 40	0.7	+ 51
5395	- 8	+ .84	- 15	0.5	- 53
5508	+ 2	- .74	- 21	1.0	+ 2
5518	+ 3	- .83	- 36	0.6	- 23
5524	+ 2	- .88	- 51	0.6	- 51
5537	+ 7	- .94	- 7	0.5	+ 38
5739	0	+ .96	- 23	0.6	- 73
5745	+ 3	+ .93	+ 33	0.8	+ 32
5754	0	+ .89	+ 10	0.7	- 9
5755	- 2	+ .88	+ 12	0.6	- 4
5885	+ 6	- .85	- 41	0.6	- 34
5896	+ 6	- .92	- 14	0.7	+ 21
5901	+ 8	- .94	- 23	0.8	+ 6
6109	+ 5	+ .94	- 7	0.7	- 45
6111	- 7	+ .93	+ 4	0.5	- 24
6244	+ 3	- .80	- 1	0.8	+ 39
6251	- 9	- .85	- 29	1.0	- 13
6265	+ 7	- .93	- 21	0.6	+ 8
6477	+ 6	+ .93	+ 24	0.8	+ 11
6480	- 3	+ .91	+ 23	1.2	+ 11

(429) 71 Aql 20h 33m.2 -1° 27'

J.D.	h	P	m	p	v
	min				
4649	0	+ .94	+21	0.6	+".036
4651	+ 3	+ .93	+17	0.8	+ 28
4656	+ 2	+ .90	+12	0.7	+ 21
4657	0	+ .89	- 36	0.6	- 68
4789	+ 3	- .85	- 24	0.7	- 28
4791	+ 2	- .86	- 3	0.8	+ 11
4799	+ 6	- .92	- 18	1.0	- 17
4802	- 5	- .92	- 11	0.8	- 2
5007	0	+ .96	- 5	0.9	- 24
5008	0	+ .96	- 6	0.8	- 26
5011	+ 2	+ .95	+34	1.0	+ 49
5160	+ 2	- .88	- 11	0.8	- 17
5162	+ 5	- .90	- 2	0.7	+ 2
5172	+ 3	- .94	+10	0.7	+ 24
5371	- 3	+ .97	+24	0.7	+ 17
5375	+ 4	+ .96	- 14	0.6	- 55
5523	+ 8	- .87	- 2	1.0	- 13
5527	+ 4	- .90	- 4	0.8	- 15
5537	0	- .94	+56	0.5	+ 98
5754	+ 3	+ .89	+43	0.8	+ 41
5755	+ 3	+ .88	- 5	0.8	- 49

(430) Cin 2676 $20^h 34^m.6$ $+4°37'$

J.D.	h	P	m	p	v
	min				″
5032	+ 6	+ .83	+ 36	0.7	+ .017
5035	+ 4	+ .79	+ 56	0.9	+ 58
5395	+ 2	+ .84	+ 22	0.6	− 4
5514	+ 7	− .80	− 10	0.9	+ 24
5522	+ 7	− .86	− 45	1.1	− 38
5532	+ 4	− .92	− 33	1.1	− 13
5533	+ 4	− .92	− 31	0.7	− 9
5739	+ 5	+ .96	− 3	1.0	− 53
5745	+ 7	+ .94	+ 8	0.8	− 34
5754	+ 5	+ .89	+ 1	0.9	− 43
5756	−10	+ .88	+ 4	0.6	− 36
5890	+ 3	− .88	− 23	1.0	+ 6
5899	0	− .93	− 26	0.8	+ 6
5900	+ 8	− .93	− 9	0.4	+ 38
5903	0	− .94	− 2	0.7	+ 51
5904	+ 4	− .95	− 49	0.6	− 38
6102	+ 2	+ .97	+ 56	0.7	+ 58
6104	− 2	+ .96	+ 16	0.8	− 15
6110	+ 3	+ .94	+ 50	1.0	+ 49
6111	− 4	+ .93	+ 30	0.8	+ 11

(431) Cin 2757 $21^h 11^m.4$ $-39°15'$

J.D.	h	P	m	p	v
	min				″
4659	+ 2	+ .93	+ 38	1.2	+ .102
4662	0	+ .92	− 29	0.9	− 24
4671	+ 4	+ .87	− 35	1.0	− 38
4799	+ 5	− .84	− 51	1.0	− 111
4814	+11	− .92	+ 17	0.8	+ 15
4815	+ 2	− .93	+ 57	0.6	+ 88
5020	0	+ .95	− 56	0.8	− 86
5021	+ 4	+ .94	− 17	1.1	− 13
5163	− 3	− .83	+ 31	0.8	+ 30
5174	+ 6	− .89	+ 38	0.7	+ 41
5175	+ 2	− .90	+ 22	0.8	+ 11
5382	+ 6	+ .96	− 11	0.6	− 15
5386	0	+ .94	+ 10	0.8	+ 24
5533	+ 7	− .86	+ 22	1.1	− 2
5539	+10	− .89	+102	0.3	+ 147
5543	0	− .91	+ 1	1.0	− 41
5545	+ 8	− .92	+ 9	0.7	− 26
5757	+ 5	+ .93	+ 8	0.7	+ 6
5760	+ 6	+ .91	+ 22	0.8	+ 30
5766	+ 9	+ .86	− 3	0.9	− 17

(432) ν Pegs $22^h 0^m.6$ $+4°34'$

J.D.	h	P	m	p	v
	min				″
4804	− 7	− .75	− 55	0.9	+ .041
5041	0	+ .90	− 44	0.8	0
5045	− 8	+ .88	− 46	0.7	− 8
5049	− 3	+ .85	− 67	0.8	− 45
5176	− 6	− .80	− 53	0.7	− 47
5187	0	− .88	− 18	0.7	+ 15
5188	− 2	− .89	− 21	0.7	+ 11
5390	− 3	+ .95	+ 39	0.5	+ 68
5403	+ 3	+ .91	+ 16	0.7	+ 23
5410	− 3	+ .88	+ 3	0.8	− 2
5411	− 9	+ .87	+ 6	0.8	+ 4
5532	− 2	− .72	+ 5	0.7	− 26
5545	− 4	− .84	+ 5	0.6	− 28
5546	− 6	− .84	− 17	0.6	− 70
5547	− 2	− .85	+ 37	0.8	+ 30
5756	− 3	+ .95	+ 40	0.7	− 19
5758	− 5	+ .94	+ 41	0.6	− 19
5772	0	+ .89	+ 64	1.0	+ 21
5906	− 7	− .80	+ 79	1.1	+ 23

(433) τ PscA $22^h 4^m.3$ $-33°2'$

J.D.	h	P	m	p	v
	min				″
5050	+ 2	+ .85	−362	0.6	+ .021
5412	+ 7	+ .86	−140	0.5	− 4
5413	0	+ .86	−133	0.8	+ 6
5415	+ 3	+ .85	−147	0.8	− 23
5533	+ 2	− .72	−105	0.7	+ 9
5548	0	− .85	−131	0.6	− 51
5552	− 2	− .87	−105	0.7	− 8
5553	− 9	− .88	−104	0.8	− 2
5557	0	− .89	−106	0.6	− 13
5759	− 4	+ .94	+ 94	0.7	+ 2
5763	− 8	+ .94	+101	0.7	+ 13
5765	0	+ .93	+114	0.6	+ 34
5899	− 6	− .73	+120	0.5	− 17
5903	+ 4	− .77	+139	0.7	+ 17
5910	+ 3	− .83	+113	0.8	− 38
5918	+ 6	− .88	+132	0.6	− 9
5920	0	− .88	+191	0.7	+ 102
6125	+ 3	+ .94	+353	0.9	+ 39
6130	+ 7	+ .93	+294	0.6	− 75
6139	+ 3	+ .89	+305	0.6	− 62
6140	−10	+ .89	+355	0.7	+ 28

(434) ν Indi $22^h 16^m.0$ $-72°44'$

J.D.	h	P	m	p	v
	min				″
5050	+ 5	+ .86	− 76	0.7	− .034
5418	+ 2	+ .85	− 65	0.6	− 71
5420	− 2	+ .84	0	0.6	+ 51
5425	0	+ .80	+ 9	0.6	+ 70
5543	+ 9	− .78	− 50	0.8	+ 11
5547	+ 4	− .82	− 52	0.9	+ 8
5548	+ 6	− .82	− 30	0.8	+ 49
5776	0	+ .90	+ 1	0.8	− 8
5777	− 3	+ .88	− 9	0.5	− 24
5906	+ 6	− .76	− 51	1.0	− 53
5921	+ 3	− .87	− 20	0.9	+ 9
5923	+ 3	− .88	− 32	0.7	− 13
5924	0	− .89	− 35	0.8	− 17
6145	+ 6	+ .87	+ 48	0.5	+ 23
6146	0	+ .86	+ 19	0.5	− 32
6265	+ 7	− .70	+ 21	0.9	+ 24
6277	0	− .81	+ 13	1.0	+ 13
6278	+ 4	− .82	− 8	0.9	− 28
6496	+ 2	+ .93	+ 96	0.8	+ 55
6508	− 2	+ .88	+ 51	0.8	− 30
6510	− 4	+ .87	+ 68	0.9	0

(435) ζ Aqar $22^h 23^m.7$ $-0°32'$

J.D.	h	P	m	p	v
	min				″
4690	0	+ .84	−110	1.1	+ .032
4696	+ 5	+ .80	−168	0.7	− 77
4698	+ 4	+ .77	−125	1.0	+ 2
4700	+ 2	+ .76	− 92	0.7	+ 62
4829	0	− .88	−129	0.8	− 38
4830	− 4	− .89	−115	0.4	− 13
5032	+ 2	+ .94	− 35	0.8	+ 32
5039	+ 2	+ .93	− 82	0.9	− 56
5177	− 2	− .75	− 25	0.9	+ 13
5188	+ 6	− .84	− 26	1.1	+ 8
5190	+ 3	− .86	− 3	0.8	+ 53
5197	+ 5	− .89	− 18	0.5	+ 21
5410	+ 8	+ .91	+ 37	1.0	+ 15
5416	+ 5	+ .87	− 5	0.8	− 66
5548	+ 6	− .80	+ 56	0.8	+ 15
5552	+ 5	− .83	+ 28	0.9	− 39
5563	+10	− .89	+ 31	0.5	− 34
5773	+ 7	+ .92	+112	0.6	+ 8
5779	− 5	+ .88	+127	0.8	+ 34

(436) ζ Aqar 22h 23m.7 -0° 32'

J.D.	h	P	m	p	v
	min				
4690	0	+ .84	- 87	I.I	-".011
4696	+ 5	+ .80	-I23	0.7	- 8I
4698	+ 4	+ .77	- 67	I.0	+ 26
4700	+ 2	+ .76	- 88	0.7	- I5
4829	0	- .88	- 76	0.8	- 28
4830	- 4	- .89	- 62	0.4	- 2
5032	+ 2	+ .94	+ 52	0.8	+ I20
5039	+ 2	+ .93	- I7	0.9	- II
5I77	- 2	- .75	+ I5	0.9	+ 8
5I88	+ 6	- .84	+ I9	I.I	+ II
5I90	+ 3	- .86	+ 30	0.8	+ 34
5I97	+ 5	- .89	- I	0.5	- 28
54I0	+ 8	+ .9I	+ 70	I.0	+ 9
54I6	+ 5	+ .87	+ 54	0.8	- 23
5548	+ 6	- .80	+ 63	0.8	- 4I
5552	+ 5	- .83	+ 82	0.9	- 8
5563	+I0	- .89	+I22	0.5	+ 62
5773	+ 7	+ .92	+I34	0.6	- 9
5779	- 5	+ .88	+I26	0.8	- 26

(437) 22h 42m.7 -4° 45'

J.D.	h	P	m	p	v
	min				
4690	+ 5	+ .87	+I09	0.4	-".055
4698	+ 5	+ .8I	+I42	0.6	+ II
4705	+ 3	+ .76	+I66	0.4	+ 66
47I0	+ 8	+ .7I	+I22	0.5	- I7
4829	0	- .85	+ 52	0.7	- 36
4834	+ 2	- .88	+ 82	0.8	+ 28
5039	0	+ .93	+ 4	0.6	- 30
5050	+ 5	+ .90	+ I9	0.8	+ 6
5I88	+ 5	- .80	- 55	0.8	- 4
5I95	+ 4	- .85	- 24	0.6	+ 56
5I99	+ 6	- .87	- 44	0.3	+ 23
54I3	+ 3	+ .9I	-I00	0.8	+ I7
54I5	+ 2	+ .90	-I2I	0.9	- 23
5545	+ 8	- .73	-I98	0.5	- 47
5548	+ 2	- .75	-I88	0.6	- 24
5563	+ 8	- .86	-I78	0.5	+ 4
5777	+ 2	+ .9I	-I84	0.3	+ 90
5779	+ 9	+ .90	-229	0.6	+ 9
5784	-I0	+ .88	-244	0.7	- I7

(438) PGC 5881 22h 42m.7 -4° 45'

J.D.	h	P	m	p	v
	min				
4690	+ 5	+ .87	+I24	0.4	-".038
4698	+ 5	+ .8I	+I48	0.6	+ I5
4705	+ 3	+ .76	+I36	0.4	- 4
47I0	+ 8	+ .7I	+II4	0.5	- 39
4829	0	- .85	+ 88	0.7	- 2
4834	+ 2	- .88	+ 76	0.8	- I9
5039	0	+ .93	+ 44	0.6	+ I9
5050	+ 5	+ .90	+ 60	0.8	+ 56
5I88	+ 5	- .80	- I5	0.8	+ I7
5I95	+ 4	- .85	- 3I	0.6	- 8
5I99	+ 6	- .87	- 54	0.3	- 47
54I3	+ 3	+ .9I	- 65	0.8	+ 36
54I5	+ 2	+ .90	- 99	0.9	- 26
5545	+ 8	- .73	-I42	0.5	- 9
5548	+ 2	- .75	-I08	0.6	+ 56
5563	+ 8	- .86	-I42	0.5	+ 4
5777	+ 2	+ .9I	-2I3	0.3	- 26
5779	+ 9	+ .90	-20I	0.6	- 2
5784	-I0	+ .88	-225	0.7	- 45

(439) Cin 3001 22h 55m.0 -23° 4'

J.D.	h	P	m	p	v
	min				
5050	0	+ .9I	+ 83	0.8	+".038
5053	+ 4	+ .90	+ 6I	I.0	- 2
5056	+ 2	+ .88	+ 46	I.2	- 30
5I86	+ 2	- .75	- 50	I.0	+ 2
5I87	+ 2	- .76	- 38	I.I	+ 26
5I96	+ 3	- .83	- 86	0.9	- 56
5404	0	+ .94	+ 56	0.7	+ 43
54I0	- 4	+ .93	+ 32	I.I	+ 2
54II	0	+ .92	+ 24	0.6	- I3
54I5	0	+ .9I	+ 46	0.4	+ 30
5545	+ 2	- .69	-I30	0.5	- 94
5549	+ 8	- .74	- 66	0.7	+ 36
5557	0	- .80	- 69	I.0	+ 36
5563	+ 8	- .85	- 86	0.6	+ II
5568	+ 8	- .88	- 82	0.6	+ 24
5570	+I3	- .88	-II0	0.5	- 30
5772	+ 3	+ .93	+ 4	I.2	+ II
5773	+ 6	+ .93	- I2	0.8	- I9
5774	0	+ .93	- I8	I.3	- 28
578I	+ 5	+ .9I	+ 2	I.I	+ 9

(440) Lac 9352 22h 59m.4 -36° 26'

J.D.	h	P	m	p	v
	min				
5046	0	+ .93	+ 20	0.7	+".036
5065	+ 3	+ .85	- 20	0.5	- 36
5433	0	+ .82	- 29	0.7	- 56
5548	+ 6	- .7I	- I3	0.7	- I3
557I	+ 9	- .88	+ 9	0.5	+ 28
5782	+ 5	+ .9I	+ 28	I.0	+ 4I
59I4	+ 7	- .72	- 24	0.8	- 38
5923	+ 5	- .80	- 2	I.0	+ 2
5929	+ 9	- .84	- 8	0.5	- 9
5932	+ 7	- .86	+ I4	0.9	+ 30
6I43	0	+ .92	+ I3	0.8	+ 9
6I46	+ 3	+ .92	+ I	0.8	- II
6286	+ 3	- .78	- I9	0.8	- 34
6298	+ 5	- .86	0	0.7	+ 2
6299	+ 9	- .87	+ 9	I.2	+ I9
6300	+ 9	- .87	- I	0.9	+ 2
6506	+ 4	+ .93	- 5	0.9	- 26
6507	+ 2	+ .93	+ I0	I.2	+ 2
6509	0	+ .92	+ I6	I.I	+ II
65I4	+ 4	+ .9I	+ 8	0.9	- 2

(44I) PGC 5977 23h 8m.9 -9° 28'

J.D.	h	P	m	p	v
	min				
4692	+ 2	+ .90	- I7	0.6	+".006
4697	- 2	+ .87	- I0	0.5	+ 2I
4704	+ 4	+ .82	- I9	0.7	+ 2
482I	+ 5	- .73	- 36	0.5	+ 2
5064	+ 5	+ .86	- 37	0.6	- 58
5I88	+ 2	- .74	+ 4	0.7	+ 47
5I95	+ 4	- .80	- 49	0.7	- 49
5I98	+ 4	- .82	- 8	0.8	+ 28
54I8	+ 4	+ .9I	+ 28	0.6	+ 34
5425	0	+ .88	- 8	0.6	- 32
5550	+ 3	- .7I	- 24	0.8	- 32
5553	+ 3	- .74	- 22	0.8	- 28
556I	+ 4	- .80	+ I4	0.7	+ 43
5570	+ 5	- .86	- I2	0.6	- 8
5773	0	+ .94	+ 32	0.7	+ I5
5774	0	+ .94	+ I5	0.8	- I5
5780	+ 4	+ .92	+ 22	I.0	- 2
5789	-I0	+ .89	+ 39	0.8	+ 26

(442) Cin 3039 23h 8.9m -9° 28'						(443) Cin 3124 23h 44.0m +1° 52'						(444) Cin 3161 23h 59.5m -37° 51'					
J.D.	h	P	m	p	v	J.D.	h	P	m	p	v	J.D.	h	P	m	p	v
	min						min						min				
4692	+ 2	+ .90	+54	0.5	+".002	4713	+ 7	+ .83	-36	0.7	+".008	5057	0	+ .93	+22	0.6	+".021
4697	- 2	+ .87	+76	0.3	+ 41	4715	+10	+ .81	-42	0.9	- 6	5071	0	+ .90	- 7	0.7	- 30
4704	+ 4	+ .82	+20	0.6	- 64	4726	+ 3	+ .71	-20	0.5	+ 36	5199	+ 4	- .71	+28	0.9	+ 56
4821	+ 5	- .73	+36	0.3	- 13	4727	+ 7	+ .71	-47	0.8	- 15	5204	+ 5	- .75	-25	0.8	- 43
5064	+ 5	+ .86	+50	0.5	- 4	4834	0	- .75	-53	1.0	- 17	5214	+ 2	- .83	-16	1.0	- 24
5188	+ 2	- .74	+69	0.6	+ 66	4840	+ 4	- .80	-54	0.8	- 23	5215	+ 2	- .84	+12	0.7	+ 28
5195	+ 4	- .80	+37	0.6	+ 6	5058	+ 3	+ .92	0	1.0	+ 39	5425	+ 2	+ .93	+ 6	0.7	- 6
5198	+ 4	- .82	+49	0.7	+ 28	5063	+ 5	+ .91	- 4	1.0	+ 28	5459	+ 7	+ .74	+13	0.6	+ 11
5418	+ 4	+ .91	+69	0.5	+ 53	5195	+ 8	- .72	-38	0.8	- 28	5564	+ 6	- .71	+11	1.0	+ 26
5425	0	+ .88	+27	0.5	- 26	5202	+ 5	- .78	-26	0.8	- 4	5795	- 8	+ .92	- 1	0.8	- 17
5550	+ 3	- .71	+21	0.7	- 13	5207	+ 7	- .82	-21	0.9	+ 4	5799	- 9	+ .91	+ 7	0.8	0
5553	+ 3	- .74	+ 5	0.7	- 41	5213	+ 9	- .85	-50	0.7	- 49	5804	- 4	+ .89	+ 1	0.5	- 11
5561	+ 4	- .80	+12	0.6	- 28	5424	+ 2	+ .92	-13	0.6	- 23	5805	- 5	+ .88	-11	1.1	- 36
5570	+ 5	- .86	+25	0.5	- 6	5439	+10	+ .85	- 5	0.9	- 9	5936	+ 9	- .76	-22	0.5	- 36
5773	0	+ .94	+62	0.6	+ 53	5570	+ 5	- .79	+21	0.7	+ 47	5940	+ 6	- .80	- 6	1.0	- 2
5774	0	+ .94	- 2	0.7	- 68	5571	+ 7	- .81	+20	0.8	+ 43	5943	0	- .83	+26	0.8	+ 60
5780	+ 4	+ .92	+40	0.8	+ 13	5579	+ 8	- .86	+22	0.5	+ 47	6160	+ 8	+ .92	+19	0.9	+ 23
5789	-10	+ .89	+38	0.7	+ 11	5784	+ 6	+ .93	0	0.8	- 34	6168	- 2	+ .90	- 1	0.6	- 13
						5789	+ 2	+ .92	- 3	1.0	- 41	6308	0	- .82	-24	0.8	- 32
						5790	- 2	+ .92	+35	0.6	+ 28	6309	+ 2	- .83	-19	0.9	- 23
												6517	+ 3	+ .93	+22	1.0	+ 30
												6524	+ 2	+ .93	+16	1.0	+ 23
												6661	+ 2	- .72	-15	1.2	- 15

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m	° '				"	"	"	"	"
445	θ Scul	0 6.7	-35 42	42	5.19	F5	.199	+ .028	± .007	± .022	+ .157
446	χ Erid	1 52.1	-52 6	241	3.73	G5	.729	+ .060	8	26	+ .628
447	Cin 456	3 23.3	-20 10	643	8.2	K5	.603	+ .067	8	27	+ .515
448	28 Erid	3 43.4	-24 11	1877	5.04	A2	.072	+ .008	11	32	+ .026
449	α Horo	4 10.7	-42 32	1425	3.83	K0	.221	+ .017	6	22	+ .035
450	BS 1604	4 54.5	-16 32	1013	5.54	F2	.230	+ .023	8	28	- .129
451	γ Cael	5 0.8	-35 37	2089	4.62	K0	.133	+ .008	9	31	+ .108
452	38 Orio	5 29.0	+ 3 42	964	5.32	A2	.033	+ .010	7	23	- .040
453	BS 2008	5 43.7	-46 38	1999	5.13	K0	.026	+ .013	8	24	+ .034
454	γ Pict	5 48.0	-56 12	946	4.38	K0	.099	+ .013	8	27	+ .081
455	17 Leps	6 0.5	-16 29	1349	5.04	A0	.007	+ .026	8	26	+ .009
456	BS 2399	6 28.9	-37 37	2889	5.31	G5	.100	+ .012	7	23	+ .059
457	BS 2766	7 12.6	-27 42	3852	4.77	Mb	.044	+ .007	9	31	- .001
458	BS 2902	7 29.2	-14 18	1971	5.06	*	.013	- .008	5	17	+ .011
459	BS 3459	8 38.8	- 6 52	2708	4.70	G0	.009	- .001	8	24	+ .006
460	BS 4086	10 19.1	-37 30	6509	5.40	A3	.160	+ .011	8	26	- .151
461	BS 4803	12 32.4	-26 35	9233	5.44	F0	.074	+ .033	7	23	+ .108
462	55 Virg	13 8.8	-19 24	3651	5.63	G5	.197	+ .005	7	25	- .092
463	57 Virg	13 10.6	-19 25	3653	5.32	K0	.324	+ .041	9	28	+ .331
464	π Hyda	14 0.7	-26 12	10095	3.48	K0	.163	+ .042	11	37	+ .058
465	η Norm	15 55.9	-48 57	10512	4.74	G5	.031	+ .018	6	21	+ .056
466	21 Ophi	16 46.3	+ 1 23	3323	5.47	A0	.027	+ .010	6	20	- .026
467	ω Pavo	18 49.7	-60 20	7213	5.14	K0	.139	+ .013	5	17	- .139
468	Cin 2475	18 53.1	+ 5 48	3993	9.7	K5	1.247	+ .078	8	30	- .207
469	ξ Tele	19 59.7	-53 10	9794	4.86	Ma	.024	+ .009	7	24	- .013
470	μ^2 Grus	22 10.4	-42 7	15846	5.19	G5	.002	+ .005	7	23	- .046
471	BS 8531	22 18.3	-58 18	7954	5.39	G5	.370	+ .053	11	37	+ .122
472	ν Grus	22 22.8	-39 38	14723	5.48	K0	.179	+ .010	8	26	+ .014
473	ε Grus	22 42.5	-51 51	13389	3.69	A2	.122	+ .040	9	28	+ .100
474	γ Pisc	23 12.0	+ 2 44	4648	3.85	K0	.755	+ .020	7	22	+ .737
475	ι Pisc	23 34.8	+ 5 5	- 5035	4.28	F8	.578	+ .062	7	22	+ .324

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
445	- 71	+ 9	.303	- 16	- 26	.272	+ 57	- 44	.189	+ 64	+ 54	.236	11.0	5700	- 250
446	- 49	+ 11	.217	- 22	+ 37	.310	+ 36	- 15	.282	+ 39	- 50	.191	11.3	5100	*
447	- 46	- 34	.253	- 42	+ 45	.334	+ 57	- 2	.232	+ 67	- 32	.181	11.2	5600	*
448	- 50	- 31	.152	- 43	+ 40	.152	+ 12	- 28	.448	+ 35	+ 46	.248	10.6	5100	- 430
449	- 62	- 27	.188	- 50	+ 44	.167	+ 22	- 50	.346	+ 42	+ 50	.299	10.8	5500	+ 440
450	- 31	- 62	.249	- 28	+ 36	.368	+ 44	0	.180	+ 51	+ 11	.203	10.9	6000	- 550
451	- 61	+ 31	.213	+ 3	- 29	.284	+ 7	+ 56	.214	+ 37	- 36	.289	11.0	5900	+ 900
452	- 56	- 10	.208	- 20	+ 60	.134	+ 11	- 13	.449	+ 45	- 2	.209	11.1	5500	- 660
453	- 70	- 34	.123	- 57	+ 35	.243	+ 28	- 43	.211	+ 39	+ 11	.423	10.9	5900	- 260
454	- 37	+ 30	.325	- 31	- 30	.211	+ 25	- 31	.189	+ 49	+ 8	.275	10.6	5900	- 450
455	- 36	+ 64	.163	- 30	- 55	.332	+ 23	+ 64	.167	+ 35	- 9	.338	10.3	5100	- 850
456	- 61	0	.155	- 15	- 19	.313	+ 26	- 15	.365	+ 29	+ 68	.167	10.9	5900	+ 520
457	- 23	- 43	.388	- 17	+ 62	.281	+ 23	- 33	.188	+ 66	+ 37	.143	10.5	5600	- 790
458	- 49	- 36	.269	- 12	+ 48	.236	+ 12	- 40	.260	+ 54	+ 37	.235	10.2	6000	- 100
459	- 36	+ 15	.250	- 28	- 25	.236	+ 28	+ 64	.267	+ 32	- 60	.247	10.5	5400	- 830
460	- 56	+ 27	.249	- 54	- 33	.192	+ 26	- 60	.241	+ 56	+ 44	.318	11.1	5700	+ 460
461	- 83	+ 24	.199	- 72	- 44	.161	+ 35	- 25	.304	+ 52	+ 30	.336	11.3	5170	- 770
462	- 41	+ 34	.351	- 20	- 55	.308	+ 50	- 24	.187	+ 73	+ 62	.154	11.1	5400	+ 270
463	- 33	+ 69	.174	- 30	- 23	.359	+ 35	+ 27	.162	+ 35	- 27	.305	11.1	5500	-1000
464	- 83	+ 52	.209	- 54	- 27	.279	+ 45	- 58	.293	+ 88	+ 62	.219	10.0	4900	- 240
465	- 60	+ 32	.232	- 56	- 34	.150	+ 32	- 30	.242	+ 39	+ 13	.376	11.1	5700	- 340
466	- 68	+ 18	.243	- 11	- 61	.222	+ 30	- 26	.253	+ 40	+ 56	.282	11.0	5700	+ 440
467	- 70	+ 58	.206	- 66	- 38	.192	+ 30	- 10	.311	+ 61	- 5	.291	10.4	5900	- 300
468	- 13	+ 2	.469	- 7	- 32	.119	+ 15	+ 42	.231	+ 19	- 37	.181	11.1	5700	+ 360
469	- 39	- 27	.303	- 16	+ 72	.258	+ 15	- 67	.232	+ 61	+ 26	.207	10.7	5750	- 880
470	- 51	+ 23	.208	- 26	- 38	.311	+ 29	+ 48	.189	+ 45	- 6	.292	11.1	5400	+ 820
471	- 73	+ 46	.270	- 26	- 49	.202	- 14	- 35	.220	+ 92	+ 17	.308	10.7	5500	+ 380
472	- 82	+ 20	.204	- 75	- 48	.252	+ 46	+ 31	.261	+ 84	- 1	.283	11.3	5100	- 680
473	- 69	- 31	.221	- 13	- 11	.404	+ 34	+ 52	.158	+ 69	+ 13	.217	11.2	5200	- 540
474	- 62	- 55	.384	+ 7	+ 64	.356	+ 81	- 6	.260				10.6	5400	*
475	- 40	- 35	.386	- 29	+ 79	.173	+ 36	- 31	.316	+ 72	+ 77	.125	11.1	5400	- 390

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
445	15.0	+11.63	207.0	+0.23	- 2.27	10.45	10.42	+ .0083	+ .4559	+ .0103	- .00124	+ .00229	+ .00152
446	14.2	- 6.22	190.3	+2.27	+ 0.69	10.22	9.84	+ 18	- 2125	+ 296	- 89	+ 914	+ 317
447	15.3	- 1.32	185.1	+2.40	+ 4.41	10.88	10.38	+ 6	+ 161	+ 376	- 52	+ 750	+ 357
448	13.4	+ 0.52	91.6	+3.56	+ 0.11	9.43	8.48	+ 3	+ 349	+ 36	- 10	+ 38	+ 42
449	16.6	- 4.70	466.9	+2.94	- 0.09	12.01	11.49	+ 21	+ 2344	+ 111	+ 11	+ 50	+ 90
450	16.2	-22.05	130.1	+1.50	+ 1.10	12.49	12.25	- 82	- 1732	+ 82	- 318	- 188	+ 121
451	16.9	+ 0.38	100.0	+0.77	+ 6.30	12.57	12.14	+ 310	+ 1611	+ 170	+ 178	+ 158	+ 45
452	15.4	+ 9.11	399.2	-0.21	+ 0.98	9.56	9.56	+ 63	- 2220	+ 42	+ 75	- 58	+ 51
453	13.9	+ 0.64	88.3	-0.16	+ 3.37	9.77	9.64	+ 79	+ 459	+ 81	+ 55	+ 49	+ 67
454	16.6	- 0.25	107.3	+1.58	+ 5.28	11.91	11.50	+ 277	+ 1296	+ 168	+ 162	+ 118	+ 68
455	14.1	+ 7.03	91.3	+1.29	+ 3.33	10.14	9.94	+ 77	+ 194	+ 150	+ 35	+ 14	+ 139
456	15.4	- 5.44	240.9	-2.92	+ 2.02	12.16	11.61	+ 24	+ 2059	+ 76	+ 58	+ 86	+ 63
457	16.8	- 5.42	165.0	-0.05	+ 1.67	13.02	13.00	+ 55	- 26	+ 46	+ 33	- 1	+ 35
458	15.6	- 5.77	129.2	-1.37	+ 3.13	11.79	11.62	- 54	+ 210	- 40	- 33	+ 16	- 42
459	14.8	- 4.38	373.8	-3.19	+ 7.51	10.82	10.11	+ 33	+ 315	- 7	+ 24	+ 9	- 8
460	15.6	+12.65	631.3	-3.52	+12.41	11.16	9.99	- 129	-1.3632	- 246	+ 108	- 219	+ 57
461	17.0	+13.51	299.0	-2.99	+ 7.68	12.15	11.25	- 41	+ 4658	+ 370	- 117	+ 156	+ 177
462	14.7	+ 4.59	419.8	-1.74	+14.92	10.78	10.00	- 60	- 5603	- 172	+ 5	- 134	+ 28
463	14.0	- 0.62	380.2	-0.41	+12.20	10.11	9.71	+ 624	+1.8527	+ 790	+ 474	+ 481	+ 219
464	15.7	+ 0.62	101.0	+0.35	+ 2.21	11.02	10.96	+ 20	+ 899	+ 266	+ 4	+ 84	+ 224
465	15.1	+16.26	155.2	-1.33	- 3.89	12.53	12.37	- 107	+ 985	+ 107	- 151	+ 82	+ 94
466	14.6	+12.47	189.2	-0.84	- 3.46	12.52	12.43	+ 40	- 661	+ 75	+ 63	- 38	+ 53
467	16.4	+ 1.43	113.6	-1.83	- 2.06	14.12	13.89	- 670	- 2369	+ 209	- 383	- 203	+ 68
468	13.8	+ 4.03	125.1	+0.72	+ 6.88	11.49	11.09	- 38	- 3472	+ 270	+ 39	- 302	+ 413
469	15.8	- 2.59	126.0	+0.66	+ 3.20	13.28	13.16	- 148	- 193	+ 51	- 99	- 19	+ 48
470	15.4	+10.61	448.2	+0.82	-12.33	11.20	10.78	+ 35	- 2970	+ 119	+ 68	- 67	+ 28
471	14.9	- 4.35	168.8	+1.14	+ 0.87	11.36	11.26	+ 76	+ 2985	+ 344	+ 81	+ 178	+ 281
472	15.3	+13.54	241.9	+2.67	- 1.31	11.40	10.87	+ 26	+ 483	+ 57	- 10	+ 21	+ 54
473	14.7	+ 9.36	245.0	+2.68	+ 1.47	10.06	9.57	+ 59	+ 3518	+ 211	- 91	+ 146	+ 212
474	15.8	- 3.46	407.5	+1.77	- 2.90	11.02	10.80	+ 31	- 341	+ 117	+ 6	+ 1072	+ 104
475	14.9	+ 3.92	401.9	+2.17	- 7.35	10.37	9.89	+ 79	+1.8638	- 28	- 119	+ 471	+ 332

(445) θ Scul 0h 6.7m −35° 42′

J.D.	h	P	m	p	v
	min				
5084	− 4	+ .83	−155	0.5	−".026
5091	+ 4	+ .77	−131	0.7	+ 15
5213	+ 3	− .82	−165	0.8	− 53
5452	+ 4	+ .81	− 77	0.8	− 36
5460	+ 6	+ .74	− 24	0.6	+ 60
5564	+ 6	− .69	− 61	0.7	− 13
5576	+ 3	− .79	− 24	0.7	+ 53
5582	+ 4	− .83	− 40	0.8	+ 23
5583	+ 6	− .84	− 45	0.6	+ 13
5789	+ 5	+ .93	+ 18	0.7	− 6
5798	− 2	+ .91	+ 15	0.7	− 17
5803	− 5	+ .90	+ 23	0.7	− 6
5940	+ 4	− .78	+ 16	0.9	− 26
5943	+ 6	− .81	+ 40	0.8	+ 15
5948	+10	− .83	+ 65	0.8	+ 62
6153	− 3	+ .93	+137	0.5	+ 60
6155	+ 4	+ .93	+115	0.7	+ 19
6165	− 5	+ .91	+ 86	0.8	− 41
6166	− 6	+ .90	+120	0.6	+ 21
6300	+ 2	− .74	+ 83	0.7	− 56
6309	+ 6	− .82	+107	0.9	− 15

(446) χ Erid 1h 52.1m −52° 6′

J.D.	h	P	m	p	v
	min				
4501	0	− .75	+ 5	0.3	−".058
4503	− 2	− .76	− 38	0.6	− 139
4504	+ 7	− .77	+ 42	0.5	+ 11
4725	− 2	+ .95	+ 54	0.7	− 19
4727	+ 5	+ .95	+ 61	1.0	− 6
4735	+ 2	+ .92	+ 91	0.6	+ 55
4756	+ 5	+ .77	+ 65	0.9	+ 17
4866	0	− .74	+ 8	0.8	+ 24
4872	0	− .80	+ 44	0.5	+ 98
4874	0	− .81	+ 11	0.7	+ 38
5081	0	+ .95	+ 29	0.7	+ 11
5105	0	+ .90	− 1	0.7	− 36
5112	− 7	+ .85	+ 13	0.7	− 8
5115	− 2	+ .84	+ 24	0.7	+ 15
5229	+ 4	− .72	− 43	0.7	+ 6
5234	+ 6	− .77	− 23	0.7	+ 49
5451	− 2	+ .95	− 2	0.7	+ 34
5458	+ 6	+ .94	− 38	0.6	− 34
5600	+ 5	− .78	−101	0.8	− 17
5604	+ 6	− .81	−113	0.7	− 38
5816	+ 4	+ .95	− 75	0.6	− 24

(447) Cin 456 3h 23.3m −20° 10′

J.D.	h	P	m	p	v
	min				
5112	+ 3	+ .98	−41	0.5	−".133
5134	+ 4	+ .89	+43	0.7	+ 30
5150	+ 2	+ .75	+ 1	0.9	− 39
5244	+ 4	− .66	−28	0.9	+ 4
5248	+ 8	− .71	−50	0.8	− 38
5250	+ 4	− .73	+10	0.4	+ 77
5255	+ 2	− .78	−12	0.8	+ 39
5477	0	+ .98	+75	0.7	+ 86
5481	+ 6	+ .97	+43	0.7	+ 24
5496	+ 4	+ .91	+24	0.7	− 6
5497	− 4	+ .91	+11	0.7	− 30
5612	+ 7	− .69	−27	1.0	+ 6
5615	+ 4	− .72	−30	0.7	+ 4
5624	+ 8	− .81	−27	0.7	+ 13
5853	+ 5	+ .95	+40	0.8	+ 21
5854	0	+ .94	+49	0.8	+ 39
5979	+ 5	− .72	−33	1.0	− 2
5989	+ 5	− .81	−62	0.8	− 53
6211	+ 5	+ .98	+30	0.8	0
6213	+ 4	+ .97	+15	0.9	− 28

(448) 28 Erid 3h 43.4m −24° 11′

J.D.	h	P	m	p	v
	min				
4780	+ 6	+ .85	+ 16	0.7	+".047
4785	+10	+ .80	− 12	0.6	− 4
4790	− 8	+ .75	− 11	0.8	− 2
4791	+ 8	+ .74	− 23	0.8	− 24
4795	− 2	+ .69	− 28	0.9	− 34
4892	0	− .76	− 14	0.8	− 4
4893	+ 4	− .77	− 71	0.3	− 111
4896	+ 3	− .80	+ 56	0.6	+ 128
5122	+ 4	+ .97	+ 11	0.6	+ 13
5130	+ 5	+ .95	− 10	0.7	− 26
5140	+ 6	+ .89	+ 11	0.8	+ 11
5249	+ 5	− .67	− 13	0.9	− 28
5256	+ 4	− .75	− 7	0.8	− 17
5267	+ 4	− .85	− 40	0.8	− 77
5268	0	− .85	+ 47	0.7	+ 86
5481	0	+ .98	− 24	0.7	− 79
5483	+ 6	+ .98	+ 27	0.5	+ 17
5489	0	+ .97	+ 53	0.7	+ 66
5497	− 4	+ .94	+ 33	0.7	+ 28

(449) α Horo 4h 10.7m −42° 32′

J.D.	h	P	m	p	v
	min				
4780	+ 8	+ .91	− 27	0.6	".000
4791	0	+ .81	− 5	0.6	+ 43
4795	+ 3	+ .77	− 28	0.8	− 2
4797	− 8	+ .75	− 39	0.8	− 23
4891	0	− .68	− 67	0.6	− 58
4896	− 2	− .73	− 38	0.5	− 4
4913	+ 5	− .89	− 25	0.4	+ 23
5130	+ 4	+ .98	− 2	0.8	+ 11
5145	− 4	+ .91	− 52	0.7	− 81
5147	+ 5	+ .89	− 13	0.5	− 8
5256	0	− .68	− 16	0.7	+ 2
5268	0	− .81	− 11	0.9	+ 13
5270	− 7	− .82	+ 3	0.7	+ 39
5496	+ 4	+ .98	+ 61	0.8	+ 96
5523	+ 6	+ .80	+ 3	0.7	− 11
5632	0	− .79	− 10	0.9	− 23
5990	+ 7	− .72	+ 36	0.7	+ 30
6001	− 4	− .83	+ 6	0.8	− 24
6005	+ 4	− .86	+ 22	0.9	+ 6
6223	0	+ .99	+ 46	0.8	0
6229	0	+ .97	+ 25	0.8	− 41
6239	+10	+ .92	+ 44	0.8	− 4
6242	− 4	+ .90	+ 51	0.8	+ 9

(450) BS 1604 4h 54.5m −16° 32′

J.D.	h	P	m	p	v
	min				
5507	+ 3	+ .99	+25	0.5	−".090
5508	− 2	+ .98	+82	0.7	+ 19
5509	− 3	+ .98	+78	0.7	+ 9
5518	− 6	+ .94	+71	0.8	+ 2
5641	− 2	− .79	+50	1.0	+ 47
5643	0	− .81	+18	0.7	− 13
5649	+ 2	− .86	+24	0.9	0
5651	+ 5	− .88	+22	1.0	− 4
5877	0	+ .97	+48	0.9	+ 85
5890	+ 7	+ .88	− 2	0.5	− 4
5893	+ 5	+ .86	−18	0.9	− 30
5896	− 5	+ .84	−33	0.6	− 58
6002	− 4	− .75	−52	1.0	− 21
6004	− 5	− .77	−67	0.8	− 47
6006	− 2	− .78	+ 6	0.8	+ 88
6010	− 3	− .83	−68	1.0	− 45
6011	− 6	− .84	−41	0.6	+ 6
6237	− 6	+ .99	−62	1.0	+ 4
6239	− 5	+ .98	−78	1.0	− 24
6263	− 4	+ .81	−52	0.8	+ 36

(451) γ Cael 5h 0.8m −35° 37′

J.D.	h	P	m	p	v
	min				″
5509	− 3	+ .99	+ 21	0.4	+ .115
5524	− 8	+ .90	− 45	0.6	− 15
5525	− 5	+ .89	− 90	0.5	− 98
5526	−10	+ .88	− 5	0.7	+ 60
5645	+ 4	− .82	− 29	0.7	− 6
5651	+ 6	− .87	− 36	0.9	− 21
5654	+ 4	− .90	− 37	0.8	− 23
5657	+ 8	− .91	− 40	1.0	− 28
5887	+ 2	+ .92	− 3	0.8	− 43
5896	+ 3	+ .85	+ 62	0.8	+ 77
5900	− 2	+ .81	+ 3	0.7	− 36
5902	− 3	+ .79	+ 13	0.7	− 17
5997	− 7	− .67	+ 70	1.0	+ 77
6005	− 2	− .76	+ 12	1.2	− 36
6011	0	− .83	+ 46	0.6	+ 26
6015	− 7	− .85	+ 33	1.1	+ 2
6016	+ 2	− .87	+ 47	1.0	+ 28
6237	− 6	+ .99	+ 90	0.8	+ 30
6242	− 3	+ .98	+ 93	0.9	+ 32
6256	+ 4	+ .89	+ 37	0.8	− 77
6266	− 3	+ .79	+ 65	0.9	− 28

(452) 38 Orio 5h 29.0m +3° 42′

J.D.	h	P	m	p	v
	min				″
4804	− 2	+ .87	+ 62	0.6	+ .019
4820	+ 6	+ .70	+ 47	0.9	− 6
4821	− 4	+ .69	+ 42	0.5	− 17
4922	0	− .84	+ 55	0.8	+ 36
4927	+ 2	− .87	+ 19	0.8	− 34
5178	+ 3	+ .79	− 20	0.6	− 94
5187	+ 5	+ .68	+ 48	0.6	+ 36
5193	0	+ .60	+ 30	0.8	+ 4
5291	+ 2	− .86	+ 21	0.8	+ 9
5640	+ 8	− .70	− 4	0.7	+ 2
5646	+ 5	− .77	− 19	0.7	− 28
5651	+ 5	− .82	− 10	0.8	− 8
5663	+ 2	− .92	+ 7	0.7	+ 24
5893	+ 6	+ .93	+ 15	0.9	+ 49
5915	0	+ .71	+ 22	0.7	+ 64
6006	+ 2	− .70	− 6	0.7	+ 38
6014	0	− .80	− 16	0.8	+ 19
6023	0	− .87	− 59	0.7	− 60
6266	+ 3	+ .86	− 51	0.8	− 36
6274	+10	+ .78	− 58	0.6	− 45
6287	0	+ .63	− 33	0.9	+ 2

(453) BS 2008 5h 43.7m −46° 38′

J.D.	h	P	m	p	v
	min				″
5523	0	+ .96	− 35	0.4	− .053
5549	− 4	+ .76	− 4	0.6	+ 4
5550	+ 4	+ .75	+ 4	0.5	+ 21
5551	− 8	+ .73	− 9	0.7	− 6
5650	+ 4	− .77	− 41	0.7	− 55
5651	+ 5	− .79	− 19	0.7	− 15
5655	+ 2	− .83	− 13	0.7	0
5670	+10	− .94	− 15	0.7	− 8
5896	0	+ .93	+ 27	0.7	+ 30
5903	+ 6	+ .87	+ 22	0.7	+ 19
5915	− 7	+ .75	+ 47	0.7	+ 68
6015	+ 2	− .77	− 14	0.8	− 39
6019	+ 4	− .81	+ 20	0.8	+ 26
6026	+ 6	− .88	+ 27	0.7	+ 39
6029	0	− .90	+ 28	0.8	+ 43
6035	+ 5	− .94	+ 2	1.0	− 9
6265	+ 2	+ .90	− 11	0.6	− 75
6266	0	+ .89	+ 59	0.8	+ 55
6273	0	+ .83	− 12	0.7	− 77
6287	+ 4	+ .64	+ 21	0.6	− 15

(454) γ Pict 5h 48.0m −56° 12′

J.D.	h	P	m	p	v
	min				″
5528	0	+ .95	− 42	0.5	− .038
5547	0	+ .79	− 15	0.8	+ 11
5548	0	+ .77	− 6	0.6	+ 26
5549	− 3	+ .76	− 24	0.9	− 8
5641	0	− .71	− 26	0.7	− 11
5654	0	− .80	− 33	1.0	− 28
5657	+ 2	− .84	+ 8	0.9	+ 51
5673	+ 7	− .95	− 24	0.7	− 15
5896	0	+ .93	+ 19	0.7	− 6
5900	+ 5	+ .91	+ 76	0.7	+ 102
5910	+ 5	+ .82	+ 6	0.9	− 32
5915	0	+ .76	+ 4	0.7	− 36
6016	− 3	− .78	+ 1	1.0	− 47
6019	+ 6	− .80	+ 14	0.8	− 21
6028	+ 4	− .89	+ 50	0.8	+ 47
6029	0	− .89	+ 42	0.9	+ 32
6036	+ 2	− .94	+ 22	0.6	− 8
6256	+ 5	+ .95	+ 34	0.7	− 58
6266	+ 3	+ .89	+105	1.0	+ 75
6272	− 4	+ .84	+ 54	0.7	− 23
6273	+ 3	+ .84	+ 53	1.0	− 24

(455) 17 Leps 6h 0.5m −16° 29′

J.D.	h	P	m	p	v
	min				″
4820	0	+ .78	+ 43	0.8	+ .062
4821	0	+ .77	− 14	0.6	− 47
4823	+ 4	+ .76	+ 21	0.8	+ 23
4829	0	+ .69	+ 1	0.6	− 19
4927	+ 2	− .81	+ 11	0.7	+ 41
4928	+ 2	− .82	+ 27	0.9	+ 68
4944	+ 2	− .95	− 50	0.6	− 71
4947	+ 4	− .96	− 52	0.6	− 77
5163	0	+ .96	− 10	0.6	− 51
5178	0	+ .86	0	0.8	− 32
5185	0	+ .79	+ 14	0.9	− 2
5187	0	+ .77	+ 11	0.6	− 9
5287	0	− .75	+ 10	0.6	+ 28
5294	0	− .83	− 45	0.4	− 75
5304	+ 6	− .91	+ 19	0.6	+ 49
5308	+ 7	− .94	− 16	0.6	− 19
5312	+ 2	− .96	− 8	1.0	− 2
5531	0	+ .95	+ 5	0.5	− 34
5545	+ 2	+ .84	+ 32	0.7	+ 21
5546	+ 2	+ .83	+ 31	0.6	+ 17
5547	0	+ .82	+ 40	0.6	+ 38

(456) BS 2399 6h 28.9m −37° 37′

J.D.	h	P	m	p	v
	min				″
5306	0	− .88	− 34	0.8	+ .034
5319	+ 2	− .96	− 64	0.9	− 26
5320	+ 2	− .97	− 21	0.7	+ 55
5542	+ 2	+ .91	− 48	0.7	− 53
5543	0	+ .91	− 36	0.7	− 32
5550	+ 2	+ .85	− 24	0.8	− 9
5551	+ 4	+ .84	− 8	0.7	+ 21
5662	+ 9	− .79	0	0.7	+ 39
5670	+ 2	− .87	− 37	0.7	− 34
5685	+ 3	− .96	+ 3	0.7	+ 41
5686	− 2	− .97	− 48	0.6	− 56
5906	− 3	+ .92	+ 18	0.5	+ 9
5921	+ 2	+ .80	+ 13	0.7	0
6049	0	− .96	+ 25	0.5	+ 23
6050	− 2	− .96	− 10	0.6	− 43
6274	− 2	+ .90	+ 19	0.7	− 45
6287	+ 2	+ .79	+ 66	0.9	+ 41
6300	0	+ .63	+ 84	0.7	+ 75
6398	+ 4	− .85	+ 40	0.9	− 8
6410	+ 5	− .94	+ 31	0.9	− 24
6412	+ 6	− .95	+ 42	1.0	− 4

(457) BS 2766 $7^h 12^m.6$ $-27°42'$

J.D.	h	P	m	p	v
	min				
4965	0	- .96	+ 18	0.8	+ ".030
5198	- 7	+ .81	- 9	0.9	- 30
5206	+ 7	+ .73	+ 22	1.0	+ 30
5210	- 2	+ .68	- 14	0.7	- 36
5308	0	- .81	+ 16	0.8	+ 30
5312	+ 4	- .84	+ 2	0.8	+ 4
5329	+ 2	- .96	- 66	0.6	- 124
5332	+ 3	- .97	0	0.7	- 2
5551	- 9	+ .92	+ 41	0.8	+ 64
5553	0	+ .90	- 8	0.9	- 26
5560	0	+ .85	+ 26	0.9	+ 38
5570	0	+ .74	+ 7	0.7	+ 2
5678	0	- .84	- 40	0.8	- 75
5690	+ 4	- .94	+ 35	0.8	+ 66
5695	+ 3	- .96	+ 6	1.0	+ 11
5918	- 2	+ .91	- 35	1.0	- 77
5921	0	+ .88	+ 4	1.0	- 4
5923	+ 3	+ .87	+ 31	0.9	+ 45
6063	+ 4	- .97	- 4	1.0	- 9
6066	+ 3	- .98	+ 18	0.7	+ 34

(458) BS 2902 $7^h 29^m.2$ $-14°18'$

J.D.	h	P	m	p	v
	min				
5561	0	+ .86	- 6	0.5	+ ".017
5567	+ 2	+ .81	- 28	0.6	- 28
5576	+ 8	+ .72	- 32	0.7	- 36
5582	+ 6	+ .64	+ 15	0.7	+ 53
5690	+ 3	- .91	- 7	0.9	- 4
5691	+ 2	- .92	- 20	1.0	- 30
5704	+ 6	- .99	- 12	0.9	- 15
5705	+ 10	- .99	- 10	0.7	- 11
5922	- 2	+ .90	+ 10	0.5	+ 36
5940	+ 10	+ .73	+ 4	0.7	+ 21
5943	+ 6	+ .70	- 13	0.7	- 11
6057	0	- .92	+ 5	0.7	+ 8
6065	+ 2	- .96	+ 27	0.8	+ 47
6075	+ 11	- .99	+ 19	0.9	+ 32
6076	+ 10	- .99	+ 9	0.9	+ 13
6292	+ 3	+ .86	- 6	0.9	- 6
6297	+ 6	+ .82	- 15	0.8	- 26
6300	0	+ .78	- 13	0.9	- 23
6312	+ 9	+ .65	+ 12	0.9	+ 24
6438	0	- .99	- 11	0.9	- 34

(459) BS 3459 $8^h 38^m.8$ $-6°52'$

J.D.	h	P	m	p	v
	min				
4629	0	- .97	- 17	0.6	- ".024
4632	0	- .97	- 43	0.5	- 73
4633	+ 6	- .97	- 8	0.8	- 9
4634	+ 3	- .97	- 22	0.6	- 34
4848	0	+ .84	+ 49	0.6	+ 98
4873	0	+ .57	- 11	0.6	- 15
4980	+ 3	- .91	- 10	0.8	- 19
5217	+ 5	+ .81	+ 23	0.8	+ 43
5229	+ 7	+ .68	+ 5	0.6	+ 8
5234	+ 8	+ .62	+ 11	0.8	+ 19
5339	- 3	- .87	+ 9	0.6	+ 13
5347	+ 7	- .93	+ 4	0.7	0
5348	+ 5	- .93	+ 25	0.8	+ 41
5581	0	+ .82	- 6	0.6	- 21
5582	+ 3	+ .81	- 24	0.7	- 53
5714	+ 4	- .93	+ 53	0.7	+ 86
5956	+ 2	+ .72	- 4	0.8	- 21
5957	+ 10	+ .70	- 19	0.9	- 49
6077	- 3	- .92	+ 15	0.7	+ 9
6078	+ 8	- .93	+ 5	0.9	- 8
6083	+ 2	- .95	+ 3	0.7	- 11

(460) BS 4086 $10^h 19^m.1$ $-37°30'$

J.D.	h	P	m	p	v
	min				
4634	0	- .85	+228	0.6	- ".021
4643	+ 6	- .90	+235	0.9	- 6
4650	+ 4	- .93	+219	0.5	- 32
4658	- 2	- .94	+240	1.0	+ 13
5604	+ 6	+ .80	+ 49	0.6	+ 23
5611	0	+ .74	+ 46	0.6	+ 21
5623	+ 2	+ .61	+ 70	0.6	+ 73
5624	- 7	+ .60	+ 53	0.8	+ 43
5738	0	- .90	- 11	0.7	- 17
5742	- 2	- .92	- 31	0.7	- 53
5752	- 5	- .94	+ 24	0.6	+ 55
5968	- 2	+ .81	- 50	0.8	- 13
5972	+ 2	+ .78	- 38	0.9	+ 13
5973	+ 3	+ .77	- 85	0.6	- 73
6102	+ 7	- .90	-101	0.7	- 36
6337	+ 2	+ .78	-178	0.9	- 100
6344	0	+ .72	- 96	0.7	+ 56
6469	+ 4	- .90	-157	0.8	+ 9
6470	+ 8	- .91	-148	0.9	+ 28
6473	0	- .92	-165	0.8	- 4
6478	+ 3	- .93	-154	0.9	+ 21

(461) BS 4803 $12^h 32^m.4$ $-26°35'$

J.D.	h	P	m	p	v
	min				
4559	+ 3	+ .65	-107	0.5	- ".021
4680	+ 3	- .89	-111	1.0	- 11
4681	0	- .90	-115	0.7	- 19
4693	+ 4	- .93	-128	1.0	- 47
4697	0	- .94	- 56	0.7	+ 86
4916	+ 4	+ .73	- 46	0.6	- 13
4922	+ 10	+ .68	- 44	0.9	- 11
5056	+ 6	- .93	- 53	0.8	- 13
5060	+ 4	- .93	- 25	1.0	+ 38
5267	+ 4	+ .84	+ 2	0.8	- 30
5277	+ 4	+ .77	+ 32	0.8	+ 24
5292	+ 12	+ .62	+ 70	0.6	+ 96
5416	+ 11	- .92	+ 20	0.8	+ 19
5418	0	- .92	- 2	0.7	- 26
5640	- 2	+ .79	+ 83	0.7	+ 13
5641	+ 2	+ .78	+ 69	1.0	- 13
5644	+ 4	+ .76	+ 85	0.8	+ 19
5646	+ 3	+ .74	+ 58	0.9	- 34
5777	- 6	- .90	+ 65	0.9	- 4
5787	0	- .93	+ 82	1.0	+ 24
5789	+ 2	- .93	+ 42	0.8	- 51

(462) 55 Virg $13^h 8^m.8$ $-19°24'$

J.D.	h	P	m	p	v
	min				
4693	+ 4	- .91	+109	0.8	+ ".030
4695	+ 5	- .92	+146	0.7	+ 102
4699	+ 5	- .93	+ 79	0.7	- 24
4704	+ 9	- .94	+ 75	0.7	- 30
4924	- 7	+ .75	+ 76	0.7	+ 17
4927	- 9	+ .73	+ 76	0.8	+ 19
5042	+ 2	- .81	+ 29	0.7	- 34
5064	+ 3	- .93	+ 39	0.7	- 6
5302	- 9	+ .62	+ 12	0.8	- 8
5425	+ 2	- .91	- 51	0.7	- 85
5640	0	+ .86	- 72	0.7	- 81
5644	- 2	+ .84	- 42	0.6	- 21
5650	+ 2	+ .80	- 36	0.6	- 9
5651	+ 3	+ .78	- 34	0.7	- 4
5779	+ 7	- .94	- 52	0.6	- 9
6005	+ 2	+ .86	- 73	0.6	+ 11
6006	- 3	+ .85	- 61	0.7	+ 32
6016	0	+ .79	- 54	0.7	+ 51
6155	+ 5	- .91	- 85	0.7	+ 36
6159	+ 9	- .93	-103	0.7	+ 4
6162	- 5	- .94	-102	0.8	+ 4

(463) 57 Virg 13h 10m.6 -19°25'

J.D.	h	P	m	p	v
	min				
4680	0	- .83	-386	0.8	-".038
4681	0	- .84	-393	0.7	- 55
4698	0	- .93	-349	0.6	+ 19
4924	- 5	+ .76	-178	0.5	+ 66
4927	- 8	+ .73	-181	0.8	+ 58
5048	0	- .85	-179	0.7	+ 19
5060	+ 3	- .92	-180	0.6	+ 9
5302	- 7	+ .63	- 69	1.0	- 68
5425	+ 6	- .91	+ 4	0.6	+ 24
5641	+ 5	+ .86	+134	0.9	0
5644	0	+ .84	+113	0.7	- 41
5646	+ 7	+ .83	+155	0.8	+ 38
5798	+ 4	- .94	+202	0.7	+ 62
6005	+ 5	+ .87	+286	0.7	- 45
6006	+ 2	+ .86	+299	0.7	- 19
6013	0	+ .81	+356	0.6	+ 83
6016	+ 2	+ .80	+295	0.5	- 36
6156	0	- .91	+309	0.6	- 64
6161	- 4	- .93	+343	0.8	- 4
6165	- 5	- .94	+365	0.7	+ 34

(464) π Hyda 14h 0m.7 -26°12'

J.D.	h	P	m	p	v
	min				
4559	+ 6	+ .87	- 33	0.5	-".043
4565	+ 6	+ .83	- 72	0.6	- 118
4576	+ 4	+ .73	+ 17	0.5	+ 51
4578	- 4	+ .71	+ 55	0.6	+ 124
4585	+ 3	+ .63	+ 21	0.8	+ 60
4690	+ 2	- .82	-106	0.5	- 132
4692	+ 3	- .83	- 4	0.8	+ 58
4695	- 6	- .85	- 47	0.8	- 21
4704	+ 3	- .91	- 60	0.9	- 47
4711	0	- .93	- 1	0.6	+ 68
4919	0	+ .89	+ 14	0.7	- 15
4921	0	+ .89	+ 26	0.7	+ 6
4924	- 6	+ .87	+ 14	0.7	- 13
4927	0	+ .84	- 1	0.7	- 43
5052	0	- .80	- 16	1.0	- 21
5070	+ 6	- .91	+ 12	1.0	+ 32
5081	- 4	- .95	- 20	0.9	- 26
5082	0	- .95	+ 12	0.7	+ 32
5292	+ 5	+ .85	- 2	0.6	- 102
5302	+ 4	+ .77	+ 36	0.7	- 30
5306	+ 3	+ .73	+ 88	0.7	+ 71
5311	+ 9	+ .68	+ 87	0.7	+ 70

(465) η Norm 15h 55m.9 -48°57'

J.D.	h	P	m	p	v
	min				
5080	+ 9	- .80	- 76	0.5	-".004
5341	- 6	+ .71	- 23	1.0	+ 26
5452	- 2	- .86	- 43	0.7	0
5461	+ 6	- .92	- 48	0.4	- 8
5474	+ 6	- .98	- 54	0.9	- 23
5678	+ 7	+ .93	+ 6	0.7	+ 26
5685	+ 3	+ .90	- 33	0.6	- 47
5686	+ 4	+ .89	+ 2	0.9	+ 19
5688	+ 5	+ .88	+ 4	0.9	+ 23
5824	+10	- .91	- 17	0.5	- 6
5830	+ 7	- .95	- 44	0.9	- 58
5832	+ 6	- .95	- 18	0.6	- 9
5833	+ 7	- .96	+ 14	0.6	+ 51
6038	- 6	+ .96	+ 5	0.7	- 32
6039	0	+ .96	+ 27	0.7	+ 9
6042	+ 5	+ .94	+ 34	0.7	+ 23
6052	- 3	+ .89	- 13	0.8	- 66
6188	+ 8	- .90	+ 48	0.6	+ 58
6189	+ 4	- .91	+ 39	0.8	+ 43
6195	+ 2	- .95	+ 22	0.7	+ 11
6202	- 6	- .97	+ 2	0.9	- 28

(466) 21 Ophi 16h 46m.3 +1°23'

J.D.	h	P	m	p	v
	min				
5091	- 4	- .80	+ 39	0.6	+".026
5122	+ 8	- .99	+ 1	0.6	- 41
5354	0	+ .71	+ 13	0.7	- 21
5355	0	+ .70	- 1	0.8	- 45
5479	0	- .96	+ 62	0.7	+ 96
5481	+ 5	- .97	+ 7	0.8	- 6
5686	0	+ .97	+ 34	0.7	+ 41
5687	- 5	+ .96	+ 15	0.8	+ 8
5688	0	+ .96	+ 24	0.7	+ 23
5696	0	+ .92	+ 13	0.7	+ 4
5844	+ 5	- .96	- 23	1.0	- 34
5850	+ 8	- .98	- 22	0.6	- 34
6050	- 5	+ .97	- 7	0.6	- 9
6056	0	+ .95	- 24	0.7	- 39
6064	- 2	+ .90	+ 8	0.8	+ 19
6067	0	+ .88	+ 5	0.6	+ 15
6202	0	- .92	- 12	0.8	+ 11
6211	+ 4	- .97	- 16	1.0	+ 4
6214	+10	- .98	- 11	0.8	+ 15
6217	+ 6	- .99	- 33	0.6	- 26

(467) ω Pavo 18h 49m.7 -60°20'

J.D.	h	P	m	p	v
	min				
5491	+ 8	- .82	+ 29	0.5	-".019
5501	+ 5	- .93	+ 25	1.0	- 23
5511	+ 2	- .97	+ 29	0.7	- 8
5515	+ 2	- .99	+ 15	0.6	- 34
5714	0	+ .98	+ 41	0.7	+ 64
5720	0	+ .96	0	0.8	- 8
5729	+ 3	+ .90	- 8	0.9	- 21
5730	0	+ .90	+ 4	0.8	+ 4
5731	- 4	+ .89	+ 5	0.7	+ 8
5859	0	- .87	- 3	0.8	+ 62
5874	+ 4	- .96	- 29	0.9	+ 21
5881	+ 3	- .99	- 28	0.6	+ 26
6084	0	+ .96	- 73	0.9	- 9
6087	0	+ .95	- 81	0.8	- 21
6096	+ 6	+ .89	- 80	0.7	- 13
6104	- 4	+ .83	- 71	1.0	+ 4
6228	+ 5	- .90	-125	0.9	- 26
6233	+ 4	- .93	-110	1.0	+ 6
6237	+ 6	- .95	-121	1.1	- 17
6242	+ 6	- .97	-109	1.0	+ 9

(468) Cin 2475 18h 53m.1 +5°48'

J.D.	h	P	m	p	v
	min				
5014	+ 5	+ .77	+211	0.6	-".060
5149	+10	- .98	+154	0.8	+ 45
5380	+ 6	+ .76	+117	0.9	- 26
5502	+ 4	- .93	+ 69	0.6	+ 81
5508	+ 6	- .96	+ 5	0.5	- 32
5515	+ 5	- .98	+ 45	0.6	+ 47
5718	+ 6	+ .97	+ 40	0.8	+ 4
5720	+ 3	+ .96	- 8	0.8	- 86
5725	+ 4	+ .94	+ 88	0.7	+ 100
5729	+ 7	+ .91	+ 47	0.8	+ 26
5854	+ 9	- .82	- 99	0.7	- 43
5864	+ 6	- .90	- 81	0.7	+ 2
5868	+ 5	- .93	-112	0.7	- 49
5877	+ 2	- .97	-100	0.9	- 21
5881	+ 7	- .99	-106	0.8	- 26
6088	+ 4	+ .95	- 62	0.7	+ 23
6094	+ 4	+ .91	- 99	0.7	- 41
6102	+ 4	+ .85	- 61	0.7	+ 39
6106	+ 4	+ .82	- 69	0.8	+ 28

(469) ξ Tele 19h 59m.7 −53° 10′

J.D.	h	P	m	p	v
	min				
5025	+ 9	+ .82	− 5	0.8	− ″.024
5384	+ 3	+ .87	0	0.8	− 2
5388	− 5	+ .84	− 31	0.6	− 60
5507	+ 5	− .81	+ 2	0.9	+ 21
5514	+ 6	− .88	− 28	0.6	− 36
5524	+ 5	− .93	+ 24	1.0	+ 64
5527	+ 11	− .95	− 1	1.0	+ 19
5729	+ 5	+ .97	− 21	0.6	− 30
5734	+ 3	+ .95	+ 1	0.8	+ 11
5740	+ 4	+ .93	+ 47	0.7	+ 100
5742	+ 5	+ .92	− 17	0.7	− 23
5873	+ 6	− .82	− 7	0.8	+ 17
5885	+ 8	− .91	− 12	0.8	+ 9
5893	+ 8	− .95	− 37	1.0	− 36
5895	+ 6	− .95	− 49	0.8	− 58
5897	+ 7	− .96	− 23	0.7	− 9
6094	+ 2	+ .97	− 26	0.7	− 30
6095	0	+ .97	0	0.6	+ 21
6096	+ 3	+ .97	+ 1	1.0	+ 21
6103	+ 6	+ .94	− 19	0.9	− 13

(470) μ² Grus 22h 10m.4 −42° 7′

J.D.	h	P	m	p	v
	min				
4670	+ 2	+ .93	+ 86	0.8	+ ″.051
4673	+ 7	+ .92	+ 38	0.7	− 39
4682	+ 2	+ .87	+ 57	0.9	0
4699	− 8	+ .74	+ 48	0.8	− 15
4808	+ 4	− .76	− 3	0.5	− 88
5049	+ 6	+ .86	+ 40	0.7	+ 13
5177	+ 5	− .79	+ 19	0.7	− 2
5188	+ 4	− .87	+ 22	0.9	+ 6
5407	+ 4	+ .91	+ 54	0.6	+ 85
5533	+ 5	− .71	− 3	0.8	+ 2
5548	0	− .84	+ 4	0.7	+ 17
5553	− 2	− .87	− 42	0.7	− 70
5776	0	+ .89	− 3	0.6	+ 24
5903	+ 10	− .76	− 17	0.7	+ 23
5910	+ 6	− .81	− 18	1.0	+ 23
5915	+ 4	− .85	− 20	0.7	+ 19
5923	+ 3	− .89	− 14	0.8	+ 30
6125	+ 3	+ .94	− 61	0.6	− 41
6137	+ 10	+ .91	− 38	0.7	+ 2
6140	0	+ .89	− 69	0.7	− 51
6142	− 5	+ .88	− 55	0.8	− 26

(471) BS 8531 22h 18m.3 −58° 18′

J.D.	h	P	m	p	v
	min				
4808	+ 14	− .74	− 106	0.4	+ ″.056
5039	+ 3	+ .93	− 19	0.7	+ 55
5041	+ 3	+ .92	− 59	0.7	− 23
5046	+ 3	+ .89	− 39	0.7	+ 17
5176	+ 2	− .77	− 23	0.8	+ 90
5187	+ 4	− .84	− 83	0.7	− 21
5188	+ 2	− .85	− 109	1.0	− 73
5403	+ 3	+ .93	+ 39	0.7	+ 41
5404	0	+ .93	+ 19	0.7	+ 4
5410	0	+ .90	− 1	0.7	− 34
5411	+ 3	+ .89	+ 24	0.7	+ 13
5546	+ 2	− .80	− 3	0.7	+ 6
5549	+ 4	− .83	− 4	0.7	+ 4
5551	+ 3	− .83	− 13	0.7	− 13
5553	+ 3	− .85	− 99	0.7	− 175
5762	− 2	+ .94	+ 69	0.6	− 21
5765	+ 4	+ .93	+ 45	0.7	− 68
5776	+ 8	+ .90	+ 90	0.7	+ 15
5923	+ 7	− .88	+ 93	0.8	+ 66
5927	+ 8	− .90	+ 117	0.6	+ 109
6149	+ 4	+ .85	+ 146	0.9	− 2

(472) ν Grus 22h 22m.8 −39° 38′

J.D.	h	P	m	p	v
	min				
4669	+ 4	+ .93	+ 38	0.4	+ ″.081
4673	+ 3	+ .93	− 46	0.8	− 77
4675	+ 4	+ .92	− 27	0.9	− 41
4678	0	+ .91	+ 7	0.8	+ 23
4697	− 2	+ .78	+ 11	0.7	+ 30
4813	0	− .78	+ 9	0.7	+ 38
4814	0	− .79	− 21	0.6	− 19
5038	+ 4	+ .93	+ 13	0.6	+ 19
5042	0	+ .92	− 1	0.5	− 8
5174	0	− .73	+ 17	0.8	+ 41
5185	+ 2	− .83	− 52	0.7	− 92
5186	0	− .83	+ 45	0.7	+ 90
5196	+ 7	− .89	− 7	1.0	− 6
5410	+ 3	+ .91	+ 12	0.9	+ 4
5413	0	+ .88	+ 8	0.8	− 6
5537	0	− .71	+ 11	0.5	+ 13
5545	+ 5	− .78	− 10	0.6	− 26
5553	+ 6	− .84	− 16	0.9	− 38
5763	+ 3	+ .94	+ 17	0.7	− 2
5772	+ 5	+ .92	+ 29	1.0	+ 21
5779	− 10	+ .84	+ 15	0.7	− 6

(473) ε Grus 22h 42m.5 −51° 51′						(474) γ Pisc 23h 12m.0 +2° 44′						(475) ι Pisc 23h 34m.8 +5° 5′					
J.D.	h	P	m	p	v	J.D.	h	P	m	p	v	J.D.	h	P	m	p	v
	min				″		min				″		min				″
4700	0	+ .80	− 86	0.9	− .039	4710	+ 2	+ .78	+35	0.7	+ .039	4710	+ 4	+ .82	−308	0.3	+ .004
4705	− 4	+ .76	− 78	0.7	− 24	4711	− 2	+ .77	+ 2	0.7	− 21	4711	0	+ .82	−310	0.8	0
4706	− 4	+ .75	− 59	0.6	+ 11	4713	+ 4	+ .76	−24	0.7	− 71	4713	0	+ .81	−307	0.6	+ 4
4710	− 2	+ .71	− 33	0.8	+ 60	4714	0	+ .75	+29	0.9	+ 30	4715	+ 5	+ .79	−288	1.1	+ 39
4813	+ 4	− .72	− 82	0.6	− 4	4834	0	− .83	−14	0.7	− 19	4829	− 3	− .73	−309	0.7	− 8
4826	− 3	− .82	− 89	0.8	− 15	4841	+ 5	− .86	−23	0.8	− 34	4844	− 2	− .84	−273	0.6	+ 55
5041	0	+ .93	+ 20	0.7	+ 62	5053	+ 2	+ .92	+27	0.7	+ 24	5058	+ 2	+ .92	−152	0.7	− 21
5053	0	+ .88	− 23	0.6	− 23	5064	+ 8	+ .87	+22	0.7	+ 19	5063	0	+ .90	−156	0.7	− 28
5185	+ 2	− .78	− 45	0.7	− 32	5188	+ 6	− .73	+15	0.8	+ 38	5187	+ 4	− .65	−170	0.8	− 68
5190	+ 4	− .82	− 49	0.8	− 41	5207	+10	− .87	−27	0.8	− 36	5434	0	+ .87	+ 14	0.7	− 36
5416	+ 7	+ .90	+ 34	0.6	− 13	5424	0	+ .89	+45	0.6	+ 66	5561	0	− .74	+ 49	0.7	+ 19
5424	+ 4	+ .85	+ 55	0.7	+ 24	5434	− 5	+ .83	+ 3	0.8	− 11	5563	0	− .76	+ 49	0.8	+ 17
5543	+ 4	− .70	+ 89	0.9	+ 118	5563	+ 7	− .82	−36	0.6	− 51	5568	+ 4	− .80	+ 30	0.6	− 19
5546	+10	− .75	+ 8	0.6	− 34	5568	+ 4	− .85	+10	0.7	+ 38	5779	0	+ .93	+203	0.7	+ 9
5553	+ 4	− .80	+ 45	0.5	+ 38	5571	+ 9	− .86	+26	0.6	+ 66	5780	0	+ .93	+193	0.7	− 11
5557	+ 6	− .83	− 10	0.5	− 66	5789	+ 2	+ .90	− 5	0.8	− 23	5934	+ 3	− .80	+199	0.9	− 26
5564	+ 3	− .87	+ 25	0.6	− 2	5915	+ 7	− .70	−14	0.7	− 8	5936	+ 5	− .82	+193	0.7	− 38
5772	+10	+ .93	+ 66	0.7	− 53	5922	+ 3	− .75	− 7	0.7	+ 9	5941	+ 4	− .85	+250	0.8	+ 66
5779	+ 4	+ .90	+ 75	0.7	− 36	5936	+ 8	− .86	− 3	0.6	+ 17	6146	+ 3	+ .93	+379	0.6	+ 17
5780	+ 5	+ .90	+ 95	0.7	0	6142	0	+ .93	+ 1	0.8	− 8	6155	0	+ .91	+355	0.8	− 36
5781	+ 3	+ .90	+104	1.0	+ 17	6146	0	+ .92	+14	0.7	+ 19	6158	− 3	+ .90	+413	0.6	+ 71
						6155	− 8	+ .89	−27	0.7	− 58						

No.	Name	α (1900) h m	δ (1900) ° '	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
							"	"	"	"	"
476	ε Pisc	0 57.8	+ 7 21	153	4.45	K0	.081	+ .038	± .008	± .027	- .099
477	66 Ceti	2 7.7	- 2 52	- 336	5.72	G0	.377	+ .021	9	31	+ .343
478	ρ^3 Erid	2 59.4	- 8 0	572	5.43	A3	.066	+ .020	7	24	+ .076
479	β Cael	4 38.5	-37 20	1867	5.08	F5	.189	+ .054	8	24	+ .052
480	21 Orio	5 14.0	+ 2 30	916	5.45	F5	.058	+ .015	7	23	- .034
481	BS 1762	5 16.2	-21 20	1135	4.73	A0	.023	- .002	11	33	- .008
482	ζ Pict	5 16.9	-50 43	1723	5.52	F8	.216	+ .019	7	23	+ .008
483	BS 1771	5 17.7	-24 52	3023	5.45	G0	.026	- .006	11	35	- .038
484	BS 1771	5 17.7	-24 52	3023	6.67	A3	.026	+ .003	13	42	- .099
485	BS 2447	6 34.0	-32 15	3216	5.27	G5	.123	+ .007	7	24	+ .092
486	δ Voln	7 16.9	-67 46	730	4.02	F5	.018	.000	6	19	- .007
487	BS 2874	7 25.6	-22 49	1897	4.80	A3	.015	- .007	7	23	+ .001
488	28 Mono	7 56.1	- 1 7	+ 1882	4.88	K0	.098	+ .013	9	29	+ .080
489	ζ Mono	8 3.6	- 2 42	2450	4.41	G0	.022	- .004	9	32	+ .021
490	18 Pupp	8 6.0	-13 30	2420	5.64	G0	.232	+ .037	10	34	- .228
491	BS 3919	9 49.7	-25 28	7585	5.00	K0	.211	+ .026	6	23	- .167
492	BS 4080	10 18.0	-41 9	5809	4.99	K5	.063	+ .019	9	28	- .036
493	φ Hyda	10 33.7	-16 21	3100	5.11	K0	.108	+ .009	7	23	- .075
494	BS 4604	11 59.5	-67 46	1896	5.42	A0	.044	+ .010	10	36	- .030
495	BS 4973	13 5.7	-42 50	8175	5.32	K0	.133	+ .007	7	26	- .086
496	BS 5207	13 45.6	-52 19	6787	5.42	*	.064	- .004	8	27	- .023
497	BS 5301	14 5.4	-15 50	3817	5.10	Ma	.028	+ .008	14	45	+ .041
498	BS 5349	14 12.5	-60 49	5294	5.28	A3	.197	+ .029	6	22	- .158
499	BS 5784	15 29.4	-44 4	+10036	5.47	K5	.068	+ .013	7	25	- .016
500	BS 5798	15 31.4	-52 2	+ 9324	5.48	A0	.052	+ .011	7	22	- .038
501	ψ^1 Lupi	15 33.4	-34 5	+10631	4.63	K0	.016	+ .025	8	28	+ .045
502	ω^2 Scor	16 1.5	-20 36	4408	4.58	G0	.070	+ .016	5	16	+ .060
503	ζ Arae	16 50.3	-55 50	7766	3.06	K5	.046	+ .039	9	34	- .011
504	ε^2 Arae	16 55.2	-53 5	8316	5.36	F8	.150	+ .035	9	32	+ .002
505	ν Serp	17 15.2	-12 45	4722	4.35	A0	.040	+ .047	9	32	+ .032
506	BS 6493	17 21.3	- 5 0	+ 4275	4.61	F0	.102	+ .032	9	30	- .094
507	ζ Serp	17 55.2	- 3 41	4217	4.60	F0	.156	+ .065	6	19	+ .181
508	BS 6766	18 1.7	-28 28	14174	4.66	K0	.038	+ .019	7	26	+ .043
509	BS 7092	18 45.0	-46 43	12669	5.49	Ma	.029	+ .005	6	21	+ .035
510	22 Aqil	19 11.6	+ 4 40	4045	5.40	A2	.019	+ .024	6	21	+ .007
511	43 Sgtr	19 11.8	-19 8	5379	5.03	K0	.023	+ .002	6	23	- .018
512	Wolf 1055	19 12.1	+ 5 3	- 4048	9.5	Ma	1.47	+ .176	7	26	- .566
513	26 Aqil	19 15.2	- 5 36	4936	5.10	G5	.113	+ .023	7	29	+ .097
514	37 Aqil	19 29.6	-10 47	5122	5.24	G5	.007	+ .022	6	22	- .037
515	BS 7496	19 37.9	-15 42	5444	5.50	F2	.238	+ .041	8	31	+ .095
516	BS 7652	19 56.9	-38 13	13828	4.79	K5	.120	+ .014	10	35	+ .050
517	ο Indi	21 42.3	-70 6	2873	5.50	K2	.043	+ .023	9	31	- .036
518	δ Indi	21 51.1	-55 28	9733	4.56	F0	.061	+ .016	9	29	+ .083
519	BS 8685	22 45.3	-39 41	14848	5.39	K2	.037	- .005	7	21	+ .014
520	λ Aqar	22 47.4	- 8 7	5968	3.84	Ma	.035	+ .009	8	24	+ .013
521	PGC 6014	23 17.8	-11 19	6064	8.1	K0	.507	+ .051	6	22	+ .417
522	101 Aqar	23 28.0	-21 28	6437	4.76	A0	.016	- .005	7	24	+ .014
523	ι Phoe	23 29.7	-43 10	15420	4.80	A2p	.029	.000	6	18	+ .034

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
476	- 56	+ 74	.182	- 18	- 12	.378	+ 33	- 46	.235	+ 45	+ 9	.205	10.4	5444	+ .0088
477	- 65	- 14	.279	- 17	- 65	.256	+ 26	+ 72	.160	+ 60	+ 30	.305	11.5	5457	- 983
478	- 85	+ 35	.308	+ 14	- 63	.331	+ 60	+ 28	.361				10.5	5979	- 1069
479	- 60	- 16	.394	- 5	- 56	.264	+ 73	+ 61	.342				11.8	5650	- 1155
480	- 50	+ 12	.175	- 3	- 39	.297	+ 12	+ 55	.228	+ 24	- 11	.300	11.9	6011	+ 45
481	- 71	- 38	.170	- 9	+ 62	.255	+ 6	- 57	.255	+ 41	+ 16	.320	11.5	5899	- 26
482	- 27	+ 38	.110	- 5	- 39	.142	+ 3	- 40	.424	+ 7	+ 58	.324	11.0	5900	+ 343
483	- 34	- 28	.231	- 16	+ 44	.163	+ 16	+ 61	.213	+ 18	- 35	.393	10.3	5898	- 45
484	- 34	- 28	.231	- 16	+ 44	.163	+ 16	+ 61	.213	+ 18	- 35	.393	11.0	5898	- 1729
485	- 69	+ 18	.246	- 19	- 15	.294	+ 45	+ 43	.208	+ 52	- 36	.252	10.8	5681	- 1620
486	- 46	+ 52	.103	- 24	- 17	.275	+ 16	- 28	.414	+ 22	+ 53	.208	11.2	5570	- 42
487	- 41	+ 29	.230	- 19	- 15	.189	- 14	- 16	.189	+ 40	- 2	.392	10.9	5935	+ 475
488	- 52	- 18	.257	- 51	+ 38	.161	+ 31	+ 32	.302	+ 43	- 40	.280	10.9	6076	- 430
489	- 59	- 29	.212	- 21	+ 56	.270	+ 10	- 43	.223	+ 54	+ 2	.295	10.1	5709	+ 220
490	- 64	- 46	.313	- 9	+ 59	.311	+ 56	+ 28	.171	+ 64	- 44	.205	10.8	5709	+ 239
491	- 36	- 38	.310	- 5	+ 69	.371	+ 41	- 44	.319				10.6	5742	- 344
492	- 78	- 45	.141	- 37	+ 37	.392	+ 24	- 56	.180	+ 74	+ 6	.287	10.4	4892	+ 110
493	- 69	+ 56	.125	- 43	- 62	.118	+ 14	- 68	.365	+ 22	+ 64	.392	10.7	5381	- 54
494	- 75	- 5	.164	- 33	+ 44	.206	+ 14	- 46	.314	+ 47	+ 20	.316	9.7	5998	+ 71
495	- 66	0	.127	- 50	+ 59	.316	+ 1	- 48	.190	+ 66	- 26	.367	11.1	6012	- 1817
496	- 49	- 52	.209	- 16	+ 68	.260	+ 13	- 32	.236	+ 39	+ 2	.295	11.4	5799	+ 459
497	- 58	+ 18	.347	- 44	- 35	.208	+ 64	- 38	.164	+ 68	+ 26	.281	11.7	5806	+ 505
498	- 49	- 44	.210	- 22	+ 46	.232	+ 12	+ 47	.285	+ 43	- 54	.273	10.4	6032	- 484
499	- 58	+ 23	.279	- 34	- 30	.160	+ 36	+ 13	.288	+ 41	- 20	.273	10.9	6048	- 542
500	- 37	+ 33	.236	- 32	- 22	.243	+ 20	- 41	.285	+ 45	+ 39	.236	10.5	5834	+ 835
501	- 63	+ 25	.193	- 12	- 42	.125	+ 4	- 47	.269	+ 30	+ 32	.413	9.6	6045	+ 507
502	- 78	+ 62	.176	- 25	- 54	.141	+ 14	- 20	.315	+ 36	+ 9	.368	10.7	5102	- 223
503	- 74	- 28	.329	- 72	+ 51	.175	+ 69	+ 47	.172	+ 77	- 24	.324	10.2	5111	+ 959
504	- 62	- 34	.206	- 61	+ 18	.314	+ 48	- 36	.240	+ 86	+ 43	.240	10.9	5837	+ 2086
505	- 81	+ 69	.229	- 26	- 48	.241	+ 30	- 20	.375	+ 90	+ 19	.155	10.7	5344	+ 381
506	- 79	- 47	.267	+ 6	+ 53	.227	+ 38	+ 3	.253	+ 41	- 1	.253	11.2	6066	+ 1049
507	- 75	+ 34	.273	- 25	- 23	.269	+ 26	+ 31	.144	+ 75	+ 24	.314	10.4	6072	- 391
508	- 46	+ 35	.180	- 8	- 12	.260	+ 8	- 28	.387	+ 41	+ 45	.173	10.8	6075	+ 276
509	- 45	- 6	.244	+ 6	- 13	.281	+ 16	- 10	.281	+ 25	+ 42	.194	11.2	5866	- 141
510	- 42	+ 70	.241	- 30	- 69	.274	+ 26	- 24	.309	+ 57	+ 55	.176	10.1	5872	- 1888
511	- 31	- 20	.183	- 16	- 32	.210	- 12	+ 63	.286	+ 39	- 23	.321	10.8	4998	+ 1098
512	- 64	+ 1	.416	- 52	-138	-.066	+ 35	- 15	.650				10.3	5872	*
513	- 81	+ 1	.283	- 58	+ 58	.142	+ 41	- 35	.319	+ 72	+ 11	.256	10.7	5879	+ 1152
514	- 71	+ 20	.130	- 31	+ 50	.200	+ 14	- 40	.330	+ 32	+ 2	.340	10.6	5000	+ 61
515	- 68	- 28	.279	- 57	+ 66	.143	+ 31	- 27	.383	+ 77	+ 44	.195	11.2	5003	- 840
516	- 81	+ 63	.223	- 42	- 25	.264	+ 46	0	.234	+ 66	- 26	.279	10.2	5005	- 730
517	- 67	+ 62	.360	+ 11	- 32	.280	+ 58	- 37	.360				10.6	5757	+ 1169
518	- 71	- 17	.159	- 35	- 47	.312	+ 19	+ 67	.215	+ 58	+ 9	.314	11.6	5177	- 245
519	- 46	+ 57	.194	- 26	- 16	.323	+ 18	- 28	.321	+ 69	+ 19	.162	11.7	6142	- 380
520	- 45	+ 58	.396	+ 19	- 70	.422	+ 55	+ 36	.182				10.2	5562	+ 55
521	- 53	- 12	.377	+ 25	- 10	.231	+ 28	- 68	.149	+ 42	+ 70	.243	10.8	6144	+ 174
522	- 86	- 54	.296	- 30	+ 42	.238	+ 67	+ 62	.210	+ 72	- 27	.256	11.5	5198	- 381
523	- 92	- 22	.234	+ 20	+ 44	.228	+ 24	+ 52	.228	+ 38	- 54	.310	11.6	5054	+ 209

No.	p	σ	p/σ	σ/p	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
									mm	mm	mm	mm	mm	mm
476	16.3	± 1.14	189.3	+2.90	+ 2.23	11.75	11.18	− .0036	− .2611	+ .0167	− .00123	− [illegible]	+ [illegible]	[illegible]
477	18.1	± 3.43	493.9	+2.63	−12.34	13.98	12.40	− 1028	+2.4527	− 625	− 577	+ [illegible]	+ [illegible]	[illegible]
478	8.7	± 1.41	242.3	+3.03	+10.47	13.58	12.73	− 163	+ 2801	+ 232	− 197	+ 111	+ [illegible]	[illegible]
479	12.1	± 12.11	399.5	−0.32	−11.90	9.22	8.85	+ 399	+ 2988	+ 174	+ 71	+ [illegible]	+ [illegible]	[illegible]
480	16.2	± 1.16	213.8	−1.05	− 0.31	11.81	11.74	− 320	− 953	+ 114	− 202	− [illegible]	+ [illegible]	[illegible]
481	11.3	± 1.43	86.2	+0.55	+ 1.55	8.76	8.72	− 122	− 128	− 17	− 87	− 11	[illegible]	[illegible]
482	16.6	± 2.10	125.9	+0.48	− 0.28	11.30	11.29	− 167	+ 192	+ 197	− 102	+ 12	+ [illegible]	[illegible]
483	13.1	± 3.11	77.4	−0.54	+ 0.17	10.49	10.49	− 213	− 334	− 34	− 151	− 55	− [illegible]	[illegible]
484	13.1	± 3.11	[illegible]	[illegible]	+ 0.21	10.43	10.43	− 612	− [illegible]	− [illegible]	− [illegible]	− 144	− [illegible]	[illegible]
485	13.1	± 21.82	283.1	0.05	+ [illegible]	10.53	10.52	+ 27	+ 2134	− 28	− 114	+ 133	+ [illegible]	[illegible]
486	15.8	± 2.42	705.6	−4.17	+30.98	11.73	9.21	− 18	− 733	− 23	− 8	− 10		[illegible]
487	16.7	± 4.43	122.8	−1.37	+ 4.54	11.88	11.61	+ 183	+ [illegible]	− [illegible]	+ 102	+ 1	− [illegible]	[illegible]
488	17.2	± 3.17	1034.9	−3.52	+28.10	12.24	10.81	− 170	+1.2217	+ 430	− 51	+ 115	+ [illegible]	[illegible]
489	20.1	± 1.66	309.7	−3.34	+28.29	14.45	12.88	+ 91	+ 2382	+ 42	+ 36	+ 30	− [illegible]	[illegible]
490	16.3	± 4.80	125.8	−4.14	+18.18	13.18	11.61	+ 1233	−2.3817	− 523	+ 642	− 332	+ [illegible]	[illegible]
491	11.3	± 1.42	151.5	−2.55	− 0.85	12.56	12.23	+ 41	− 3585	+ 184	+ 40	− 242	+ [illegible]	[illegible]
492	15.8	± 1.29	157.1	−4.45	−12.15	11.58	9.86	+ 478	− 516	+ 25	+ 354	− 53	+ [illegible]	[illegible]
493	13.1	± 1.98	412.7	−2.14	+20.52	10.88	9.31	+ 240	− 3354	− 227	+ 252	− [illegible]	+ [illegible]	[illegible]
494	[illegible]	± [illegible]	337.4	−0.45	+ 5.26	11.97	11.87	− 399	− 1675	+ 47	− 193	− 44	+ [illegible]	[illegible]
495	15.2	± 2.50	322.9	+0.40	+ 4.46	13.73	13.54	+ 44	− 3625	− 11	− 58	− [illegible]	+ [illegible]	[illegible]
496	10.3	± 1.88	115.7	−1.58	− 3.42	11.52	11.25	− 41	− 383	− 9	− 28	− 14	− [illegible]	[illegible]
497	14.6	± [illegible]	538.1	−1.98	+15.05	11.14	10.68	+ 226	+ 3325	+ 197	+ 140	+ 38	+ [illegible]	[illegible]
498	15.4	± 3.14	258.4	−1.29	− 2.41	12.31	12.18	− 1305	− 5280	+ 356	− 911	− [illegible]	+ [illegible]	[illegible]
499	13.3	± 5.16	188.8	+2.19	+ 0.36	12.36	12.14	+ 183	− 437	+ 197	+ 95	− 24	+ [illegible]	[illegible]
500	[illegible]	± [illegible]	142.3	+1.24	− 3.52	9.92	9.74	+ 301	− 353	+ 101	+ 203	− 36	+ [illegible]	[illegible]
501	16.3	± 14.45	173.0	+2.26	− 1.87	13.51	13.21	− 121	+ 1152	+ 159	− 33	+ 65	+ [illegible]	[illegible]
502	14.4	± [illegible]	111.7	−2.57	+ 3.16	10.69	9.53	+ 351	+ 1114	+ 31	+ 243	+ 88	+ [illegible]	[illegible]
503	17.3	± 6.04	106.1	−2.35	− 0.53	13.76	13.11	− 6	− 151	+ 270	+ 42	− 15	+ [illegible]	[illegible]
504	14.2	± 6.92	85.3	−1.22	+ 2.72	12.35	11.96	+ 252	+ 215	+ 193	+ 201	+ 3	+ [illegible]	[illegible]
505	16.3	± 7.23	252.2	[illegible]	+ 3.36	13.44	[illegible]	− 337	+ [illegible]	− 147	+ 231	− 45	+ [illegible]	[illegible]
506	14.1	± 6.39	101.4	+0.20	+ 2.04	12.47	12.42	− 949	− 910	+ 170	− 705	− 137	+ [illegible]	[illegible]
507	12.8	± 3.44	83.7	+0.09	+ 0.83	11.17	11.16	− 460	+ 2415	+ 404	− 352	+ 254	+ [illegible]	[illegible]
508	17.4	± 1.98	116.5	+0.09	+ 3.32	14.55	14.86	− 115	+ 751	+ 168	− 72	+ 52	+ [illegible]	[illegible]
509	14.1	± 12.33	103.2	−0.65	− 0.28	12.03	12.00	+ 107	+ 565	+ 28	+ 32	+ [illegible]	− [illegible]	[illegible]
510	16.4	± 2.27	137.6	−0.15	+ 6.75	14.19	13.96	+ 165	+ 318	+ 192	+ 100	+ [illegible]	− [illegible]	[illegible]
511	13.2	± [illegible]	101.2	+1.83	− 1.23	13.41	13.20	+ 50	− 287	+ 24	+ 18	− [illegible]	− [illegible]	[illegible]
512	15.4	± 2.21	137.6	−0.15	+ 6.75	14.19	13.96	+ 373	+ 796	+ 1327	+ 233	− [illegible]	− [illegible]	[illegible]
513	20.1	± 3.27	273.5	+0.32	+ 1.60	18.41	18.40	− 167	+ 3957	+ 247	− 53	+ [illegible]	− [illegible]	[illegible]
514	14.8	± 2.18	[illegible]	[illegible]	+ [illegible]	[illegible]	[illegible]	− 161	− [illegible]	+ 116	− 125	− 34	+ [illegible]	[illegible]
515	15.3	± 1.71	111.7	+1.88	+ 2.87	13.96	13.65	+ 79	+ 1613	+ 353	+ 29	+ [illegible]	+ [illegible]	[illegible]
516	13.3	± [illegible]	107.3	+2.34	+ 2.72	12.40	11.76	+ 8	+ 803	+ 113	− 4	+ 13	+ [illegible]	[illegible]
517	13.6	± 1.61	[illegible]	[illegible]	+ [illegible]	[illegible]	[illegible]	− 173	− [illegible]	+ 113	− 124	− 13	+ [illegible]	[illegible]
518	13.3	± [illegible]	436.5	−0.26	− 2.56	10.19	10.18	+ 449	+ 5537	+ 51	+ 130	+ [illegible]	+ [illegible]	[illegible]
519	[illegible]	± [illegible]	332.7	+2.66	+ 0.29	8.75	8.13	+ 89	+ 572	+ 5	+ 100	+ 21	− [illegible]	[illegible]
520	13.6	± [illegible]	535.1	+2.21	−25.98	11.25	9.86	− 111	+ 548	− 6	− 59	+ [illegible]	+ [illegible]	[illegible]
521	16.3	± 3.25	420.7	+0.09	+ 5.33	12.56	12.43	+ 197	+2.5449	+ 558	− 217	+ [illegible]	+ [illegible]	[illegible]
522	15.3	± 1.85	[illegible]	[illegible]	+ [illegible]	[illegible]	[illegible]	− [illegible]	− [illegible]	− [illegible]	− [illegible]	+ [illegible]	− [illegible]	[illegible]
523	13.6	− 2.82	106.9	+3.76	+ 2.30	11.10	10.11	− 113	+ 561	− 11	− 64	+ 49		[illegible]

(476) ε Pisc 0h 57m.8 +7° 21'

J.D.	h	P	m	p	v
	min				
4741	+ 6	+ .77	+ 44	0.6	-".115
4744	- 2	+ .74	+121	0.8	+ 30
4746	0	+ .72	+132	1.0	+ 51
5215	0	- .71	- 20	1.0	- 45
5221	+ 5	- .77	+ 17	1.0	+ 24
5225	+ 2	- .80	- 7	1.0	- 21
5227	0	- .82	0	0.8	- 8
5434	0	+ .94	+ 34	1.0	+ 53
5439	0	+ .94	0	1.0	- 11
5451	+ 3	+ .91	- 9	0.7	- 28
5452	- 3	+ .90	+ 8	1.0	+ 4
5581	- 5	- .72	- 40	0.8	+ 15
5583	+ 4	- .74	- 48	0.8	0
5586	+ 7	- .77	- 32	1.0	+ 30
5593	+ 2	- .82	- 43	0.8	+ 9
5804	+ 3	+ .94	- 31	1.0	+ 28
5805	- 5	+ .94	- 38	0.8	+ 15
5806	+ 5	+ .93	- 89	1.0	- 81
5813	+ 9	+ .92	- 42	0.7	+ 8

(477) 66 Ceti 2h 7m.7 -2° 52'

J.D.	h	P	m	p	v
	min				
4737	0	+ .93	-416	1.0	-".026
4741	- 6	+ .92	-401	1.0	+ 2
4760	- 5	+ .78	-451	1.0	- 92
4764	- 3	+ .74	-394	1.0	+ 15
4876	0	- .80	-354	1.0	+ 6
5105	+ 3	+ .92	-188	1.0	+ 68
5235	- 3	- .75	-179	0.8	- 6
5243	0	- .81	-175	1.0	+ 2
5452	- 5	+ .95	- 40	0.8	+ 13
5462	- 5	+ .95	0	0.8	+ 88
5593	0	- .67	- 4	1.0	- 17
5601	+ 2	- .75	0	1.0	- 9
5607	+ 2	- .80	+ 65	0.7	+ 113
5824	0	+ .96	+133	0.8	- 6
5961	+ 2	- .70	+158	1.0	- 60
5967	0	- .76	+188	1.0	- 4
5972	+ 5	- .80	+198	1.0	+ 15
6183	0	+ .95	+314	1.0	- 11
6184	0	+ .95	+291	0.7	- 55
6206	+ 5	+ .89	+321	1.0	+ 2

(478) ρ³ Erid 2h 59m.4 -8° 0'

J.D.	h	P	m	p	v
	min				
5496	+ 4	+ .87	- 57	0.6	-".004
5497	+ 5	+ .86	- 82	1.0	- 51
5507	+ 3	+ .76	- 67	1.0	- 23
5613	+ 6	- .76	- 72	0.7	- 23
5615	+ 3	- .78	- 40	0.8	+ 38
5619	0	- .80	- 27	0.8	+ 62
5624	+10	- .84	- 57	1.0	+ 6
5833	0	+ .97	0	1.0	+ 30
5836	0	+ .97	- 4	0.8	+ 23
5850	+ 4	+ .93	- 26	1.0	- 19
5973	0	- .70	- 48	1.0	- 55
5979	+ 2	- .77	0	1.0	+ 36
5985	0	- .81	+ 6	1.0	+ 47
6213	+ 7	+ .94	+24	1.0	- 2
6217	+10	+ .92	+30	1.0	+ 9
6338	0	- .70	- 5	1.0	- 49
6344	+ 5	- .77	0	1.0	- 39
6564	+ 3	+ .97	+79	1.0	+ 28
6565	+ 7	+ .97	+78	0.8	+ 26
6573	+ 4	+ .96	+62	1.0	- 4

(479) β Cael 4h 38m.5 -37° 20'

J.D.	h	P	m	p	v
	min				
4776	- 7	+ .97	- 66	0.6	-".066
5508	+ 3	+ .96	+ 67	0.6	+ 81
5509	0	+ .96	+ 38	0.8	+ 26
5523	+ 3	+ .86	+ 24	0.7	0
5650	+ 4	- .90	+ 13	0.8	+ 60
5651	+ 4	- .91	- 33	0.8	- 26
5997	0	- .73	0	0.8	- 21
6001	- 3	- .78	0	0.7	- 21
6014	+ 2	- .88	+ 10	0.7	- 2
6244	0	+ .94	+ 87	0.8	+ 17
6262	+ 3	+ .78	+ 66	0.8	- 23
6363	+ 2	- .74	+ 63	1.0	+ 45
6365	+ 5	- .75	+ 5	1.0	- 64
6382	+ 9	- .91	+ 52	1.0	+ 24
6600	0	+ .97	+114	0.6	+ 13
6602	0	+ .97	+ 85	0.6	- 41

(480) 21 Orio 5h 14m.0 +2° 30'

J.D.	h	P	m	p	v
	min				
5526	0	+ .91	+ 26	1.0	+".030
5531	0	+ .87	+ 24	0.7	+ 26
5547	0	+ .70	+ 12	1.0	+ 4
5646	+ 2	- .80	0	1.0	+ 17
5655	+ 6	- .88	0	1.0	+ 17
5660	+ 5	- .92	0	0.8	+ 17
5662	+10	- .93	- 23	0.7	- 26
5887	+ 7	+ .93	- 39	0.6	- 58
5903	+ 5	+ .80	- 8	1.0	0
5910	- 2	+ .73	- 32	1.0	- 45
6004	0	- .72	- 49	1.0	- 43
6014	- 4	- .83	- 21	0.8	+ 9
6016	+ 2	- .85	- 19	0.8	+ 13
6262	+ 5	+ .87	- 54	0.8	- 55
6365	- 3	- .66	- 63	1.0	- 36
6379	+ 9	- .83	- 42	1.0	+ 4
6388	+ 7	- .90	- 32	1.0	+ 23
6619	+ 6	+ .93	- 47	0.6	- 6
6628	+ 8	+ .86	- 7	1.0	+ 70

(481) BS 1762 5h 16m.2 -21° 20'

J.D.	h	P	m	p	v
	min				
5531	+ 4	+ .87	- 19	0.8	-".024
5543	0	+ .75	- 13	0.8	- 13
5654	+ 9	- .87	- 26	0.8	- 39
5659	+ 3	- .91	+17	1.0	+ 41
5662	+ 3	- .93	- 22	0.7	- 32
5886	+ 3	+ .95	- 69	0.6	- 111
5893	0	+ .90	+12	0.7	+ 41
5906	+ 9	+ .78	+40	1.0	+ 94
5910	+ 2	+ .74	- 8	1.0	+ 4
6005	0	- .73	+ 4	1.0	+ 24
6013	0	- .82	- 37	0.6	- 53
6014	0	- .83	- 12	0.7	- 6
6019	0	- .86	+17	0.8	+ 49
6242	- 2	+ .99	- 20	0.6	- 11
6246	0	+ .97	- 57	0.8	- 81
6273	- 3	+ .76	+16	0.8	+ 56
6386	0	- .88	- 24	0.8	- 21

(482) ζ Pict $5^h 16^m.9$ $-50°43'$

J.D.	h (min)	P	m	p	v
5545	0	+ .73	- 5	0.8	+ ".004
5546	+ 4	+ .72	0	0.8	+ 13
5547	+ 5	+ .71	- 12	1.0	- 9
5548	- 9	+ .70	- 7	1.0	0
5650	+ 4	- .84	- 21	0.8	+ 2
5651	+ 3	- .85	- 17	1.0	+ 9
5660	+ 9	- .92	- 40	0.8	- 34
5663	+ 5	- .93	- 6	0.7	+ 30
5896	0	+ .88	+ 58	0.7	+ 111
5900	+ 4	+ .85	0	0.8	+ 2
5902	+ 4	+ .83	- 41	1.0	- 75
6006	- 5	- .74	- 30	0.8	- 24
6015	+ 4	- .83	- 34	1.0	- 32
6016	+ 6	- .85	- 16	1.0	+ 2
6019	+ 4	- .86	0	0.8	+ 32
6256	+ 6	+ .92	0	1.0	- 4
6266	+ 3	+ .83	0	1.0	- 4
6273	+ 3	+ .76	0	0.8	- 4
6393	+ 5	- .93	0	0.8	+ 26

(483) BS 1771 $5^h 17^m.7$ $-24°52'$

J.D.	h (min)	P	m	p	v
5531	+ 7	+ .88	+ 23	0.7	+ ".039
5543	0	+ .76	0	1.0	- 4
5547	+ 7	+ .71	0	0.8	- 4
5646	+ 3	- .80	+ 6	1.0	+ 11
5652	+ 4	- .85	- 7	0.7	- 13
5659	+ 6	- .91	0	0.7	0
5662	+ 10	- .93	- 22	0.7	- 41
5887	+ 10	+ .94	- 89	1.0	- 132
5893	+ 4	+ .91	+ 5	0.7	+ 45
5903	+ 7	+ .81	0	0.8	+ 36
5910	+ 4	+ .74	+ 7	1.0	+ 49
6004	+ 4	- .71	- 13	0.8	+ 13
6007	0	- .74	- 25	1.0	- 9
6014	+ 4	- .82	+ 28	1.0	+ 90
6028	+ 2	- .93	- 60	0.8	- 75
6029	+ 5	- .93	- 23	0.8	- 6
6246	+ 7	+ .98	- 13	0.6	+ 49
6274	0	+ .75	- 54	1.0	- 28

(484) BS 1771 $5^h 17^m.7$ $-24°52'$

J.D.	h (min)	P	m	p	v
5531	+ 7	+ .88	+ 78	0.7	".000
5543	0	+ .76	+ 109	1.0	+ 58
5547	+ 7	+ .71	+ 93	0.8	+ 28
5646	+ 3	- .80	+ 89	1.0	+ 58
5652	+ 4	- .85	0	0.7	- 109
5659	+ 6	- .91	+ 71	0.7	+ 24
5662	+ 10	- .93	+ 66	0.7	+ 15
5887	+ 10	+ .94	- 51	1.0	- 147
5893	+ 4	+ .91	+ 35	0.7	+ 15
5903	+ 7	+ .81	+ 35	0.8	+ 15
5910	+ 4	+ .74	0	1.0	- 51
6004	+ 4	- .71	- 9	0.8	- 30
6007	0	- .74	0	1.0	- 13
6014	+ 4	- .82	+ 44	1.0	+ 70
6028	+ 2	- .93	0	0.8	- 13
6029	+ 5	- .93	- 20	0.8	- 51
6246	+ 7	+ .98	- 35	0.6	- 17
6274	0	+ .75	+ 29	1.0	+ 103

(485) BS 2447 $6^h 34^m.0$ $-32°15'$

J.D.	h (min)	P	m	p	v
5205	- 4	+ .64	- 52	0.7	+ ".049
5303	+ 3	- .84	- 50	0.8	+ 38
5548	+ 5	+ .88	- 41	0.7	- 17
5551	+ 4	+ .85	- 35	1.0	- 6
5553	+ 2	+ .84	- 77	1.0	- 85
5568	+ 4	+ .67	- 7	0.8	+ 47
5670	+ 2	- .86	- 27	0.7	- 9
5686	+ 2	- .96	- 44	1.0	- 41
5687	- 4	- .97	+ 3	1.0	+ 47
5921	+ 2	+ .81	+ 1	0.7	- 32
6028	+ 3	- .79	+ 12	1.0	- 28
6029	- 5	- .80	+ 21	1.0	- 11
6035	- 5	- .86	+ 20	0.8	- 13
6040	0	- .90	+ 36	1.0	+ 17
6272	0	+ .93	+ 79	0.7	+ 24
6277	0	+ .89	+ 79	0.8	+ 24
6287	+ 3	+ .80	+ 74	0.6	+ 15
6303	- 4	+ .61	+ 75	0.8	+ 17

(486) δ Voln $7^h 16^m.9$ $-67°46'$

J.D.	h (min)	P	m	p	v
4596	- 9	- .94	- 7	0.8	- ".030
4598	+ 7	- .96	+ 7	1.0	- 4
4600	+ 7	- .96	- 10	1.0	- 36
4601	0	- .97	+ 21	1.0	+ 23
5205	+ 2	+ .74	0	0.7	- 6
5330	+ 3	- .96	+ 24	0.8	+ 43
5332	+ 8	- .97	+ 17	0.7	+ 30
5560	+ 3	+ .85	- 28	0.7	- 51
5570	+ 4	+ .75	+ 23	0.7	+ 45
5581	- 5	+ .62	0	0.7	+ 2
5690	+ 6	- .93	0	0.7	+ 4
5704	+ 4	- .99	+ 14	0.8	+ 30
5921	+ 2	+ .88	+ 22	0.6	+ 51
5943	- 6	+ .65	- 8	0.7	- 6
6292	0	+ .83	- 24	0.8	- 28
6309	+ 4	+ .65	- 19	0.8	- 19
6312	+ 4	+ .61	+ 11	0.7	+ 38
6407	+ 5	- .83	- 14	1.0	- 8
6417	+ 2	- .91	- 13	0.8	- 6
6420	+ 2	- .93	- 27	0.8	- 32

(487) BS 2874 $7^h 25^m.6$ $-22°49'$

J.D.	h (min)	P	m	p	v
5576	+ 3	+ .71	+ 15	0.8	+ ".013
5581	- 3	+ .65	+ 45	0.8	+ 70
5583	0	+ .62	- 9	0.8	- 32
5690	+ 2	- .91	- 11	1.0	- 49
5695	+ 5	- .94	+ 24	0.8	+ 17
5704	+ 5	- .99	+ 20	1.0	+ 9
5705	+ 5	- .99	0	0.8	- 28
5923	+ 2	+ .88	+ 11	1.0	+ 6
5940	+ 8	+ .72	+ 15	1.0	+ 13
5943	0	+ .68	0	0.8	- 15
6057	- 4	- .93	+ 33	1.0	+ 36
6065	0	- .97	- 10	1.0	- 45
6066	0	- .97	+ 28	0.8	+ 26
6075	+ 9	- .99	+ 8	0.8	- 11
6292	0	+ .85	- 26	0.8	- 64
6297	0	+ .81	+ 14	1.0	+ 11
6309	0	+ .68	+ 18	0.7	+ 19
6312	+ 6	+ .64	0	1.0	- 15
6420	+ 5	- .91	+ 44	0.8	+ 55

(488) 28 Mono $7^h 56^m.1$ $-1°7'$

J.D.	h	P	m	p	v
	min				
4597	0	- .88	-201	0.8	-".036
4598	+ 8	- .89	-210	0.8	- 53
4601	+ 7	- .91	-152	1.0	+ 56
4622	+ 8	- .98	-205	0.7	- 43
5586	+ 2	+ .66	- 31	0.8	+ 49
5943	+ 3	+ .76	0	0.6	+ 28
5947	+ 5	+ .72	- 32	0.7	- 32
5950	- 2	+ .68	0	0.8	+ 28
6068	+ 5	- .94	- 9	0.7	+ 8
6083	+ 4	- .98	+ 6	0.7	+ 36
6298	0	+ .86	+ 11	0.7	- 30
6309	- 2	+ .76	0	0.6	- 51
6312	- 4	+ .72	+ 48	0.6	+ 39
6424	0	- .88	+ 72	1.0	+ 77
6449	+10	- .98	+ 32	0.8	+ 2
6664	+ 2	+ .86	+ 55	0.7	- 28
6684	+10	+ .63	+112	1.0	+ 79
6685	- 7	+ .63	+ 25	1.0	- 85
6778	0	- .78	+ 37	0.7	- 70
6799	+ 8	- .94	+ 65	0.8	- 17
6802	+ 6	- .96	+ 65	1.0	- 17
6805	- 8	- .97	+ 71	0.7	- 6

(489) ζ Mono $8^h 3^m.6$ $-2°42'$

J.D.	h	P	m	p	v
	min				
4600	0	- .89	-77	1.0	-".094
4601	+ 5	- .89	- 4	1.0	+ 43
4605	0	- .92	-16	1.0	+ 21
4619	+ 4	- .97	-16	1.0	+ 21
5576	+ 3	+ .80	- 6	0.8	- 9
5581	+ 4	+ .75	- 1	0.8	0
5584	- 3	+ .71	+ 6	1.0	+ 13
5586	0	+ .69	+26	1.0	+ 51
5705	0	- .94	-24	0.8	- 56
5708	+ 4	- .96	+15	1.0	+ 17
5714	0	- .97	+37	0.8	+ 58
5940	+10	+ .81	+ 5	1.0	- 8
5947	+10	+ .74	+11	0.8	+ 4
5949	+ 2	+ .71	-42	1.0	- 96
6077	- 3	- .97	- 5	0.7	- 41
6300	0	+ .85	+48	1.0	+ 51
6312	0	+ .75	+ 4	0.8	- 30
6323	+ 2	+ .61	+27	1.0	+ 11
6421	- 5	- .84	+63	1.0	+ 66
6424	- 3	- .87	+33	1.0	+ 9
6444	+ 2	- .97	+20	0.8	- 15
6449	+ 8	- .98	- 6	0.8	- 64

(490) 18 Pupp $8^h 6^m.0$ $-13°30'$

J.D.	h	P	m	p	v
	min				
4595	- 4	- .84	+428	1.0	+".030
4597	0	- .86	+472	1.0	+ 113
4609	+ 6	- .94	+383	0.8	- 55
4623	0	- .98	+363	1.0	- 92
5576	+ 8	+ .81	+134	0.8	+ 28
5584	0	+ .71	+121	1.0	+ 4
5586	+ 2	+ .69	+ 93	0.8	- 49
5593	0	+ .61	+156	1.0	+ 70
5704	+ 2	- .94	+ 62	1.0	+ 32
5706	+ 2	- .94	+ 45	1.0	0
5718	+ 2	- .98	+ 10	1.0	- 66
5943	0	+ .78	0	1.0	+ 4
5949	+ 5	+ .72	- 22	1.0	- 38
5950	0	+ .70	0	1.0	+ 4
5956	+ 2	+ .63	- 10	1.0	- 15
6323	+ 4	+ .61	-134	0.7	- 11
6421	0	- .84	-174	1.0	+ 39
6438	+ 5	- .95	-206	1.0	- 21
6439	+ 6	- .96	-176	0.8	+ 36
6444	+ 7	- .97	-205	1.0	- 19

(491) BS 3919 $9^h 49^m.7$ $-25°28'$

J.D.	h	P	m	p	v
	min				
5003	+ 2	- .93	+150	0.6	-".038
5247	+ 6	+ .66	+120	1.0	- 24
5364	+ 8	- .91	+ 75	1.0	- 9
5384	+ 8	- .95	+ 87	0.8	+ 13
5597	+ 4	+ .81	+ 94	1.0	+ 88
5598	+10	+ .80	+ 68	1.0	+ 39
5611	+ 3	+ .67	+ 33	0.6	- 26
5615	0	+ .62	+ 18	1.0	- 55
5731	+ 8	- .91	+ 8	1.0	+ 32
5742	0	- .95	- 4	1.0	+ 9
5746	- 4	- .95	0	1.0	+ 17
5750	0	- .95	- 4	0.7	+ 9
5968	+ 5	+ .76	- 27	1.0	+ 28
5972	+ 2	+ .72	- 62	1.0	- 38
5973	0	+ .71	- 48	1.0	- 11
5974	+ 7	+ .70	- 47	1.0	- 9
6102	0	- .93	-100	0.7	- 6
6103	+ 4	- .93	-100	1.0	- 6
6104	- 4	- .94	-112	0.8	- 28
6106	+ 5	- .95	-101	0.7	- 8

(492) BS 4080 $10^h 18^m.0$ $-41°9'$

J.D.	h	P	m	p	v
	min				
4515	+ 5	+ .74	+81	0.5	+".036
4522	0	+ .67	+ 5	0.6	- 107
4523	+ 3	+ .66	+93	0.8	+ 58
4639	+ 6	- .89	+29	0.7	- 19
4651	+ 2	- .94	+52	0.8	+ 24
4656	0	- .94	+25	1.0	- 26
4657	+ 2	- .94	+38	0.8	- 2
4873	0	+ .81	0	0.5	- 81
4886	0	+ .68	+ 9	0.8	- 64
4891	0	+ .63	+63	0.7	+ 38
4892	0	+ .61	+67	1.0	+ 45
4999	- 2	- .85	+59	1.0	+ 71
5011	+ 2	- .91	+20	1.0	- 2
5024	+ 2	- .95	+12	1.0	- 17
5242	+ 3	+ .78	+23	1.0	0
5249	+ 3	+ .71	+39	0.8	+ 30
5371	+ 3	- .89	-27	0.8	- 51
5376	+ 4	- .92	0	1.0	0
5381	0	- .94	0	1.0	0
5383	+ 4	- .94	+ 4	0.8	+ 8

(493) φ Hyda $10^h 33^m.7$ $-16°21'$

J.D.	h	P	m	p	v
	min				
4644	0	- .89	+ 71	1.0	-".055
4648	+ 6	- .90	+107	0.8	+ 13
4668	+ 6	- .94	+ 98	0.7	- 4
4895	0	+ .63	+113	0.7	+ 60
5017	+ 3	- .92	+ 58	0.6	- 4
5031	+ 9	- .94	+ 67	1.0	+ 13
5244	+ 2	+ .79	+ 42	1.0	- 4
5381	+ 5	- .91	+ 18	1.0	- 6
5611	+ 9	+ .78	- 9	0.8	- 21
5616	+ 7	+ .73	+ 8	1.0	+ 11
5624	+ 5	+ .64	0	1.0	- 4
5755	+ 6	- .94	0	0.8	+ 38
5763	+ 2	- .94	+ 5	0.7	+ 47
5972	+ 3	+ .81	- 38	1.0	- 2
5984	+ 8	+ .70	- 55	1.0	- 34
5985	+ 5	+ .69	- 29	1.0	+ 15
6106	+ 8	- .90	- 25	0.6	+ 64
6120	+ 4	- .94	- 93	1.0	- 64

(494) BS 4604 11h 59m.5 -67°46'

J.D.	h	P	m	p	v
	min				
5031	0	- .86	+ 5	0.6	-".024
5047	- 4	- .92	+ 17	0.8	- 2
5397	+ 3	- .86	+ 13	0.7	+ 19
5623	0	+ .84	- 8	0.8	- 17
5640	0	+ .71	+ 27	1.0	+ 49
5776	+10	- .92	+ 9	0.7	+ 43
5989	- 3	+ .83	- 59	0.8	- 83
5997	- 4	+ .78	- 84	0.7	- 130
6001	- 2	+ .75	+ 23	0.8	+ 71
6003	+ 3	+ .73	- 23	0.8	- 15
6138	0	- .91	- 11	1.0	+ 36
6145	+ 2	- .93	- 49	1.0	- 36
6363	0	+ .77	- 4	0.8	+ 51
6364	+ 3	+ .77	- 11	1.0	+ 38
6366	+ 2	+ .75	- 55	1.0	- 45
6379	0	+ .62	- 66	1.0	- 66
6380	- 2	+ .60	+ 38	0.8	+ 130
6503	+ 4	- .91	- 47	0.8	- 2
6505	0	- .92	- 47	1.0	- 2
6509	0	- .93	- 61	0.8	- 28
6510	+ 6	- .93	- 52	0.8	- 11

(495) BS 4973 13h 5m.7 -42°50'

J.D.	h	P	m	p	v
	min				
5045	- 6	- .84	+ 98	0.8	-".024
5056	0	- .90	+ 96	0.8	- 28
5640	- 2	+ .85	+ 43	0.8	0
5641	- 2	+ .85	+ 61	1.0	+ 34
5646	+ 2	+ .82	+ 66	1.0	+ 43
5651	0	+ .78	0	1.0	- 81
5787	0	- .90	+ 20	0.7	+ 4
5789	0	- .91	+ 47	0.8	+ 55
5798	- 2	- .94	+ 32	1.0	+ 26
5799	- 3	- .94	+ 28	0.7	+ 19
6007	+ 3	+ .84	+ 5	0.8	+ 15
6009	0	+ .83	0	1.0	+ 6
6014	- 4	+ .80	- 9	1.0	- 11
6018	- 8	+ .76	- 19	0.7	- 30
6159	+ 7	- .93	- 47	0.7	- 36
6161	- 9	- .94	0	1.0	+ 53
6377	+ 3	+ .81	- 73	1.0	- 43
6380	- 6	+ .79	- 25	1.0	+ 47
6398	+ 6	+ .61	- 42	1.0	+ 15
6526	0	- .94	- 93	1.0	- 38
6528	0	- .94	- 91	1.0	- 34

(496) BS 5207 13h 45m.6 -52°19'

J.D.	h	P	m	p	v
	min				
5077	- 2	- .94	0	0.6	-".043
5437	+ 3	- .93	-12	0.8	- 43
5440	0	- .94	+18	0.7	+ 13
5651	+ 2	+ .87	+32	1.0	+ 60
5655	+ 3	+ .83	0	1.0	0
5656	+ 2	+ .83	0	1.0	0
5658	+ 4	+ .82	+31	0.7	+ 58
5662	+ 2	+ .78	- 8	1.0	- 15
5794	+10	- .90	+ 5	0.8	+ 11
5798	+ 7	- .92	+19	1.0	+ 38
5805	+ 7	- .94	0	0.7	+ 2
6014	+ 5	+ .88	-32	0.7	- 38
6015	+ 8	+ .87	-61	0.7	- 92
6028	+ 4	+ .77	- 8	0.8	+ 8
6159	+ 9	- .90	+ 9	0.8	+ 41
6160	+ 7	- .90	-27	1.0	- 26
6161	+ 6	- .90	+13	0.8	+ 49
6162	+ 4	- .91	-40	0.8	- 51

(497) BS 5301 14h 5m.4 -15°50'

J.D.	h	P	m	p	v
	min				
4696	0	- .84	-132	0.6	-".145
4710	- 6	- .93	0	0.6	+ 103
4714	0	- .94	- 38	0.7	+ 32
4715	- 6	- .95	- 39	0.7	+ 30
5652	- 2	+ .89	- 16	1.0	- 45
5656	+ 5	+ .87	+ 69	1.0	+ 115
5662	- 6	+ .83	+ 30	0.7	+ 41
5805	0	- .93	- 9	0.7	- 36
5806	0	- .93	- 9	1.0	- 36
6015	- 2	+ .90	+ 23	0.7	- 13
6028	- 2	+ .82	0	0.7	- 56
6036	- 8	+ .75	- 70	0.6	- 188
6172	- 7	- .93	+ 65	0.7	+ 62
6175	- 7	- .94	0	0.7	- 60
6399	- 4	+ .78	+ 86	1.0	+ 62
6413	- 6	+ .63	+ 56	1.0	+ 6
6529	0	- .90	+ 68	0.6	+ 28
6538	+ 9	- .93	+ 54	1.0	+ 2
6544	0	- .95	+ 72	0.6	+ 36

(498) BS 5349 14h 12m.5 -60°49'

J.D.	h	P	m	p	v
	min				
5070	- 2	- .90	+112	0.6	-".006
5083	- 9	- .95	+107	0.6	- 15
5662	- 3	+ .84	+ 23	1.0	+ 34
5666	0	+ .82	- 8	0.6	- 24
5667	- 8	+ .81	0	1.0	- 9
5670	0	+ .79	0	1.0	- 9
5805	+ 4	- .92	- 63	1.0	- 19
5806	- 2	- .92	- 29	1.0	+ 45
5811	- 8	- .94	- 36	0.8	+ 32
6018	0	+ .90	- 57	0.7	+ 41
6038	- 6	+ .77	- 89	1.0	- 19
6039	- 6	+ .76	- 66	0.8	+ 24
6165	- 5	- .90	-165	1.0	- 55
6172	+ 3	- .93	-146	1.0	- 19
6399	+ 4	+ .80	-162	1.0	+ 8
6411	+ 5	+ .68	-183	1.0	- 32
6538	+ 8	- .93	-242	1.0	- 38
6543	+ 3	- .95	-210	0.6	+ 23
6546	+ 4	- .95	-181	0.7	+ 77

(499) BS 5784 15h 29m.4 -44°4'

J.D.	h	P	m	p	v
	min				
5465	- 3	- .97	+19	0.6	+".004
5468	+ 3	- .97	+15	0.8	- 4
5685	0	+ .84	+12	1.0	- 23
5689	+ 4	+ .82	+41	0.7	+ 32
5697	+ 3	+ .73	+36	1.0	+ 23
5700	- 3	+ .70	+45	1.0	+ 39
5819	+ 9	- .91	+40	0.7	+ 60
5832	+ 5	- .97	-13	0.7	- 39
5835	+ 8	- .97	+ 7	0.8	- 2
6038	0	+ .92	-10	0.8	- 47
6049	0	+ .85	-19	1.0	- 64
6050	0	+ .84	0	0.8	- 28
6057	+10	+ .79	0	0.8	- 28
6193	+ 8	- .96	- 7	0.7	- 11
6399	- 3	+ .94	+48	0.8	+ 77
6410	0	+ .88	+39	0.8	+ 60
6411	0	+ .88	- 5	1.0	- 23
6550	0	- .91	-29	0.6	- 36
6551	0	- .92	- 4	0.7	+ 11
6558	- 2	- .96	0	0.6	+ 19

(500) BS 5798 15h 31m.4 -52°2'

J.D.	h	P	m	p	v
	min				
5084	+ 4	- .89	+47	0.6	-".019
5331	+ 2	+ .74	+61	1.0	+ 17
5336	- 5	+ .70	+ 4	0.6	- 90
5468	+ 5	- .97	+51	0.7	+ 30
5670	+ 5	+ .94	+69	0.8	+ 68
5686	+ 3	+ .84	+37	1.0	+ 8
5695	+ 3	+ .75	+53	0.8	+ 38
5697	+ 5	+ .74	+37	1.0	+ 8
5833	+ 8	- .97	+25	0.7	+ 19
5834	+ 9	- .97	+ 3	0.6	- 23
5835	+ 3	- .97	0	0.7	- 28
6042	+ 3	+ .90	-13	1.0	- 49
6052	0	+ .83	0	0.8	- 24
6187	0	- .93	- 4	0.7	+ 2
6188	+ 2	- .93	+ 9	0.6	+ 26
6197	+ 5	- .97	-10	0.7	- 9
6414	+ 3	+ .86	0	0.7	+ 13

(501) ψ¹ Lupi 15h 33m.4 -34°5'

J.D.	h	P	m	p	v
	min				
5336	- 4	+ .70	-44	0.8	-".008
5468	+ 6	- .97	-68	0.8	- 26
5670	+ 7	+ .94	+ 5	1.0	+ 38
5689	+ 4	+ .83	0	1.0	+ 28
5696	+ 2	+ .75	-19	1.0	- 8
5697	+ 7	+ .74	-20	1.0	- 9
5822	0	- .93	-45	0.8	- 28
5835	0	- .97	-12	0.8	+ 34
5836	+10	- .98	-15	0.8	+ 28
6036	0	+ .93	-32	0.8	- 77
6049	0	+ .86	+22	1.0	+ 24
6050	+ 6	+ .85	-26	0.8	- 66
6187	+ 4	- .93	-39	0.8	- 62
6188	+ 4	- .93	0	0.7	+ 11
6195	+ 8	- .96	- 5	1.0	+ 2
6197	+ 6	- .97	+11	1.0	+ 32
6399	- 2	+ .94	+54	1.0	+ 39
6407	0	+ .91	+69	0.8	+ 68
6411	+ 4	+ .88	0	1.0	- 62

(502) ω² Scor 16h 1m.5 -20°36'

J.D.	h	P	m	p	v
	min				
4710	+ 3	- .74	0	0.6	+".030
4727	+ 2	- .90	-23	1.0	- 13
4730	+ 4	- .91	- 6	1.0	+ 19
4739	+ 6	- .96	-21	0.7	- 9
4960	+ 2	+ .87	+53	0.7	+ 64
4968	+ 2	+ .80	0	0.8	- 36
4972	0	+ .77	0	0.7	- 36
5091	- 3	- .89	+14	0.6	- 4
5105	+ 6	- .96	+ 5	0.8	- 21
5110	0	- .98	+13	0.6	- 6
5329	+ 4	+ .84	+51	1.0	0
5330	+ 4	+ .83	+56	0.8	+ 9
5337	+ 6	+ .77	+43	0.7	- 15
5339	+ 2	+ .75	+63	0.7	+ 23
5452	- 2	- .85	+43	1.0	- 9
5458	+ 6	- .90	+32	0.7	- 30
5465	+ 4	- .94	+66	1.0	+ 34
5473	+ 8	- .97	+52	0.7	+ 8

(503) ζ Arae 16h 50m.3 -55°50'

J.D.	h	P	m	p	v
	min				
4735	0	- .87	- 9	0.8	".000
4739	0	- .90	-29	0.8	- 38
4746	0	- .95	-16	1.0	- 13
4976	+ 2	+ .85	+52	1.0	+ 55
4977	0	+ .85	0	1.0	- 43
4981	- 4	+ .80	- 6	0.8	- 55
4983	+ 4	+ .79	+43	1.0	+ 38
5104	+ 6	- .90	+32	1.0	+ 88
5109	- 2	- .94	+ 7	1.0	+ 41
5115	0	- .96	-17	1.0	- 4
5117	0	- .97	-39	1.0	- 45
5331	0	+ .93	+61	0.8	+ 83
5340	+ 5	+ .86	-25	0.8	- 79
5350	+ 4	+ .77	+ 3	1.0	- 26
5355	+ 7	+ .72	+29	1.0	+ 23
5462	- 4	- .83	-35	1.0	- 26
5481	+ 4	- .96	-59	1.0	- 71
5483	+ 5	- .97	0	0.8	+ 39
5486	0	- .99	0	0.7	+ 39

(504) ε² Arae 16h 55m.2 -53°5'

J.D.	h	P	m	p	v
	min				
5458	+12	- .79	-23	0.6	-".047
5487	+ 3	- .99	0	0.7	- 4
5489	+ 5	- .99	-11	0.8	- 24
5687	+ 3	+ .97	+50	0.7	+ 23
5688	+ 7	+ .97	+83	0.6	+ 85
5697	0	+ .93	+56	1.0	+ 34
5833	+ 6	- .88	+38	0.7	+ 66
5836	+ 2	- .90	- 8	1.0	- 21
5839	+ 2	- .92	-10	1.0	- 24
5840	+ 5	- .93	0	0.8	- 6
6052	- 3	+ .97	- 9	1.0	- 88
6056	- 3	+ .96	+72	0.8	+ 64
6064	- 2	+ .92	+34	1.0	- 8
6068	+ 3	+ .89	+ 5	1.0	- 62
6206	+ 2	- .94	0	1.0	- 6
6211	+ 5	- .96	+ 9	0.8	+ 11
6217	+10	- .98	+44	0.7	+ 77

(505) ν Serp 17h 15m.2 -12°45'

J.D.	h	P	m	p	v
	min				
4730	+ 2	- .76	-37	0.8	-".021
4734	- 2	- .81	0	1.0	+ 49
4751	0	- .94	-36	1.0	- 19
4984	0	+ .84	+ 8	1.0	- 36
4990	0	+ .78	0	0.8	- 51
5124	0	- .97	+18	0.7	+ 55
5331	+ 2	+ .96	+52	0.8	+ 13
5347	0	+ .86	+56	0.8	+ 21
5354	0	+ .79	+33	0.8	- 23
5486	+ 5	- .96	0	0.6	- 11
5489	+ 5	- .97	+24	1.0	+ 34
5696	+ 4	+ .96	+38	1.0	- 45
5701	0	+ .94	+95	0.8	+ 62
5702	+ 8	+ .94	+75	1.0	+ 24
5705	0	+ .91	+83	1.0	+ 39
5843	+ 9	- .92	+38	0.6	+ 28
5850	+ 4	- .96	+55	1.0	+ 60
5853	- 5	- .97	-22	0.8	- 85
5854	- 9	- .97	-34	0.8	- 107

(506) BS 6493 17h 21m.3 -5° 0'

J.D.	h min	P	m	p	v
5706	+ 4	+ .92	0	0.6	+".015
5713	- 2	+ .86	0	1.0	+ 15
5714	- 4	+ .86	0	1.0	+ 15
5718	+ 3	+ .82	- 53	0.7	- 85
5850	+ 3	- .95	- 61	1.0	- 6
5852	- 3	- .96	- 35	1.0	+ 43
5854	- 4	- .96	- 46	0.7	+ 23
5857	- 4	- .99	- 64	0.7	- 11
5858	- 4	- .99	- 57	0.6	+ 2
6064	0	+ .96	- 73	1.0	- 36
6068	+ 6	+ .94	- 38	1.0	+ 30
6211	+ 4	- .93	- 91	0.7	+ 30
6217	+ 4	- .96	- 190	0.7	- 156
6219	+ 2	- .96	- 110	0.8	- 6
6221	- 2	- .98	- 75	0.7	+ 60
6437	- 2	+ .91	- 108	0.7	+ 2
6441	0	+ .88	- 102	0.8	+ 13
6454	0	+ .76	- 100	1.0	+ 17

(507) ζ Serp 17h 55m.2 -3° 41'

J.D.	h min	P	m	p	v
5706	0	+ .97	- 96	0.6	+".002
5719	+ 4	+ .88	- 122	0.8	- 47
5721	- 9	+ .87	- 94	0.7	+ 6
5724	- 8	+ .85	- 78	0.6	+ 36
5850	+ 7	- .90	- 111	1.0	+ 24
5852	- 5	- .91	- 109	1.0	+ 28
5862	+ 2	- .97	- 126	0.7	- 4
6067	- 5	+ .98	- 35	0.6	- 62
6076	- 3	+ .94	- 6	0.6	- 8
6218	- 4	- .92	- 25	0.8	+ 6
6219	+ 3	- .93	- 37	0.7	- 17
6222	- 2	- .95	- 42	0.7	- 26
6225	0	- .96	- 60	0.6	- 60
6232	0	- .99	- 23	0.8	+ 9
6437	0	+ .96	+ 86	0.8	- 17
6439	0	+ .96	+ 107	0.8	+ 23
6441	+ 2	+ .94	+ 117	1.0	+ 41

(508) BS 6766 18h 1m.7 -28° 28'

J.D.	h min	P	m	p	v
5721	+ 7	+ .88	+ 6	0.7	+".049
5724	+ 10	+ .86	- 4	0.7	+ 30
5727	0	+ .83	- 13	0.8	+ 13
5728	0	+ .82	- 49	1.0	- 55
5857	+ 3	- .94	- 15	1.0	+ 28
5858	+ 3	- .95	- 35	0.7	- 9
5868	+ 3	- .99	- 38	1.0	- 15
5869	+ 3	- .99	- 18	1.0	+ 23
6067	0	+ .98	+ 12	0.7	+ 21
6075	0	+ .96	0	0.8	- 2
6083	- 2	+ .91	- 40	0.8	- 77
6219	+ 3	- .92	- 51	0.8	- 83
6223	0	- .95	- 8	0.8	- 2
6226	+ 5	- .96	- 22	1.0	- 28
6232	+ 3	- .98	0	1.0	+ 13
6235	+ 7	- .99	+ 20	1.0	+ 51
6437	0	+ .97	0	0.8	- 47
6441	0	+ .95	+ 37	1.0	+ 23
6455	0	+ .85	+ 29	0.8	+ 8
6459	+ 7	+ .81	+ 52	1.0	+ 51

(509) BS 7092 18h 45m.0 -46° 43'

J.D.	h min	P	m	p	v
5491	+ 2	- .86	- 45	0.6	-".049
5509	0	- .97	0	0.7	+ 36
5719	0	+ .96	+ 36	0.7	+ 71
5728	0	+ .90	- 16	1.0	- 26
5738	- 9	+ .83	+ 7	0.7	+ 17
5739	- 7	+ .82	+ 9	1.0	+ 21
5852	+ 2	- .81	+ 6	0.7	+ 9
5862	0	- .90	0	1.0	- 2
5874	0	- .97	- 25	0.7	- 49
5877	+ 3	- .98	- 4	0.8	- 9
6085	- 6	+ .95	0	0.7	- 30
6088	- 5	+ .94	0	0.8	- 30
6094	0	+ .90	- 8	0.6	- 45
6097	0	+ .87	+ 31	0.8	+ 28
6229	+ 3	- .92	+ 17	1.0	- 4
6235	+ 6	- .95	+ 16	1.0	- 6
6237	+ 6	- .96	+ 47	1.0	+ 53
6455	+ 3	+ .93	+ 39	0.7	+ 6

(510) 22 Aqil 19h 11m.6 +4° 40'

J.D.	h min	P	m	p	v
5011	+ 9	+ .84	0	0.6	-".023
5495	+ 7	- .83	- 7	1.0	- 2
5508	- 2	- .93	+ 15	0.8	+ 39
5509	+ 3	- .93	- 34	0.7	- 53
5515	0	- .96	- 21	0.6	- 28
5720	0	+ .98	+ 28	1.0	+ 13
5725	- 2	+ .96	+ 63	1.0	+ 79
5730	+ 6	+ .93	0	0.8	- 39
5731	+ 2	+ .92	+ 6	0.8	- 28
5867	0	- .89	+ 5	0.8	+ 13
5873	0	- .93	- 5	1.0	- 6
5875	+ 2	- .93	0	1.0	+ 4
6084	0	+ .98	+ 27	1.0	+ 6
6097	+ 3	+ .92	+ 31	1.0	+ 13
6236	+ 3	- .91	+ 17	0.8	+ 28
6237	+ 4	- .92	+ 6	1.0	+ 8
6241	+ 4	- .94	- 11	0.7	- 24
6454	0	+ .97	0	0.8	- 53
6456	0	+ .95	+ 30	1.0	+ 4

(511) 43 Sgtr 19h 11m.8 -19° 8'

J.D.	h min	P	m	p	v
4623	+ 2	+ .98	+ 27	0.8	+".026
4626	0	+ .97	- 17	0.8	- 56
4628	+ 5	+ .96	+ 22	1.0	+ 17
4633	+ 2	+ .94	+ 8	0.8	- 9
4764	+ 4	- .83	0	1.0	- 13
4776	0	- .92	+ 27	0.8	+ 38
4785	+ 7	- .97	+ 17	1.0	+ 19
4786	- 2	- .97	+ 25	0.8	+ 34
4991	0	+ .97	- 29	1.0	- 60
4998	- 3	+ .94	+ 13	1.0	+ 19
5004	- 2	+ .90	+ 5	0.8	+ 4
5138	- 2	- .90	0	0.6	+ 6
5140	+ 5	- .91	- 13	0.7	- 19
5152	+ 4	- .97	- 36	1.0	- 62
5154	0	- .98	0	0.8	+ 6
5354	0	+ .98	- 9	0.7	- 4
5363	+ 4	+ .94	0	0.8	+ 13
5369	0	+ .90	+ 23	0.8	+ 56

(512) Wolf 1055 $19^h 12^m.1$ $+5°3'$

J.D.	h	P	m	p	v
	min				″
5011	+ 9	+ .84	+ 89	0.6	− .015
5495	+ 7	− .83	− 87	1.0	− 45
5508	− 2	− .93	− 48	0.8	+ 28
5509	+ 3	− .93	− 25	0.7	+ 71
5515	0	− .96	− 114	0.6	− 96
5720	0	+ .98	+ 101	1.0	− 21
5725	− 2	+ .96	+ 118	1.0	+ 11
5730	+ 6	+ .93	+ 127	0.8	+ 28
5731	+ 2	+ .92	+ 111	0.8	− 2
5867	0	− .89	− 51	0.8	+ 21
5873	0	− .93	− 26	1.0	+ 68
5875	+ 2	− .93	− 57	1.0	+ 9
6084	0	+ .98	+ 110	1.0	− 8
6097	+ 3	+ .92	+ 106	1.0	− 15
6236	+ 3	− .91	− 100	0.8	− 75
6237	+ 4	− .92	− 58	1.0	+ 4
6241	+ 4	− .94	− 70	0.7	− 19
6454	0	+ .97	+ 124	0.8	+ 13
6456	0	+ .95	+ 123	1.0	+ 11

(513) 26 Aqil $19^h 15^m.2$ $-5°36'$

J.D.	h	P	m	p	v
	min				″
5011	− 2	+ .85	− 124	0.8	− .011
5014	+ 5	+ .83	− 138	0.7	− 38
5502	+ 3	− .89	− 75	1.0	− 11
5507	+ 7	− .91	− 69	0.8	0
5508	+ 10	− .92	− 92	0.8	− 43
5515	+ 3	− .96	− 103	0.8	− 64
5720	+ 2	+ .98	+ 21	1.0	+ 70
5726	+ 4	+ .95	+ 7	1.0	+ 43
5728	+ 6	+ .94	− 5	1.0	+ 21
5731	+ 10	+ .93	− 13	0.8	+ 6
5875	+ 2	− .93	0	1.0	+ 34
5877	0	− .94	0	1.0	+ 34
5881	+ 5	− .96	+ 11	1.0	+ 55
5883	+ 3	− .97	− 33	1.0	− 28
6085	+ 5	+ .98	+ 47	0.8	+ 21
6087	+ 3	+ .98	+ 29	1.0	− 13
6093	0	+ .94	+ 41	1.0	+ 9
6098	+ 2	+ .92	+ 11	1.0	− 47
6236	+ 6	− .90	+ 66	1.0	+ 60
6239	+ 2	− .92	+ 31	1.0	− 6
6242	+ 3	− .94	+ 5	1.0	− 55
6459	− 2	+ .94	+ 45	0.8	− 79
6461	− 2	+ .93	+ 84	0.8	− 6

(514) 37 Aqil $19^h 29^m.6$ $-10°47'$

J.D.	h	P	m	p	v
	min				″
4629	− 5	+ .98	+ 41	0.8	+ .043
4636	0	+ .94	0	1.0	− 34
4641	0	+ .91	+ 39	0.7	+ 39
4651	+ 5	+ .84	− 4	0.7	− 41
4766	+ 6	− .80	− 19	1.0	− 15
4774	+ 2	− .87	− 24	0.8	− 24
4785	0	− .94	+ 27	1.0	+ 71
4786	− 4	− .95	− 31	0.7	− 38
4990	− 5	+ .98	0	0.6	+ 4
5004	+ 3	+ .92	+ 14	0.8	+ 30
5006	+ 3	+ .92	− 21	1.0	− 36
5133	+ 2	− .82	− 17	0.7	+ 28
5151	0	− .95	− 33	1.0	− 2
5152	+ 2	− .95	− 47	1.0	− 28
5153	+ 2	− .95	− 29	0.7	+ 6
5360	+ 7	+ .98	− 14	0.7	+ 13
5362	+ 3	+ .96	− 30	1.0	− 17
5375	+ 5	+ .89	0	0.8	+ 39
5376	+ 7	+ .88	− 29	0.8	− 15

(515) BS 7496 $19^h 37^m.9$ $-15°42'$

J.D.	h	P	m	p	v
	min				″
4629	− 3	+ .98	− 59	0.6	− .058
4633	+ 3	+ .96	− 43	0.7	− 28
4642	0	+ .92	− 32	1.0	− 8
4653	+ 5	+ .84	+ 14	0.8	+ 79
4780	+ 3	− .90	− 72	1.0	− 47
4783	− 2	− .92	− 48	0.6	− 2
4785	+ 4	− .93	− 24	0.8	+ 43
4789	+ 4	− .95	− 29	1.0	+ 34
4998	+ 4	+ .96	− 9	1.0	− 62
5004	+ 3	+ .93	+ 41	0.7	+ 32
5008	0	+ .92	+ 32	1.0	+ 15
5147	+ 4	− .91	+ 22	1.0	+ 36
5149	+ 6	− .93	+ 10	1.0	+ 13
5152	+ 4	− .94	− 29	1.0	− 60
5156	+ 4	− .95	− 9	0.7	− 23
5362	0	+ .97	+ 49	1.0	− 47
5371	+ 8	+ .92	+ 116	1.0	+ 79
5375	+ 6	+ .90	+ 96	0.7	+ 41
5381	0	+ .86	+ 47	0.7	− 51

(516) BS 7652 $19^h 56^m.9$ $-38°13'$

J.D.	h	P	m	p	v
	min				″
4656	+ 6	+ .84	− 18	0.8	+ .004
4661	0	+ .80	+ 26	0.8	+ 86
4669	+ 3	+ .71	− 56	1.0	− 68
4670	+ 4	+ .71	− 38	1.0	− 34
4780	− 2	− .86	− 7	0.7	+ 30
4785	+ 4	− .90	− 14	1.0	+ 19
4797	+ 9	− .95	− 46	1.0	− 41
4998	+ 3	+ .97	+ 32	0.7	+ 49
5006	− 2	+ .94	+ 22	1.0	+ 30
5011	+ 2	+ .91	+ 8	1.0	+ 4
5155	0	− .92	− 22	1.0	− 49
5160	+ 5	− .94	0	0.8	− 8
5163	+ 5	− .95	+ 54	0.7	+ 94
5164	+ 6	− .96	− 2	0.7	− 11
5365	+ 3	+ .97	+ 66	1.0	+ 62
5367	0	+ .97	+ 2	0.8	− 60
5376	0	+ .92	− 15	0.8	− 90
5383	0	+ .88	+ 52	0.7	+ 47

(517) o Indi $21^h 42^m.3$ $-70°6'$

J.D.	h	P	m	p	v
	min				″
5041	+ 6	+ .87	0	0.7	− .070
5392	+ 6	+ .94	+ 59	1.0	+ 75
5525	+ 9	− .70	− 16	0.7	− 9
5547	+ 8	− .87	− 9	0.7	+ 4
5548	+ 10	− .88	− 5	0.8	+ 11
5549	+ 9	− .89	+ 4	0.7	+ 28
5755	+ 4	+ .95	− 32	0.6	− 58
5756	+ 9	+ .95	+ 8	0.7	+ 17
5759	+ 10	+ .94	− 4	0.8	− 6
5903	+ 10	− .82	− 22	1.0	+ 17
5904	+ 5	− .84	+ 6	1.0	+ 70
5910	+ 8	− .87	− 76	1.0	− 85
5915	+ 6	− .89	− 46	1.0	− 28
6120	+ 8	+ .95	− 23	0.8	− 6
6124	+ 5	+ .94	0	0.7	+ 38
6125	+ 5	+ .94	0	0.6	+ 38
6130	+ 10	+ .91	− 50	0.8	− 56

(518) δ Indi 21h 51m.1 -55°28'

J.D.	h	P	m	p	v
	min				
4676	+ 2	+ .89	- 23	0.8	+".032
4683	+ 8	+ .84	- 47	0.8	- 13
4688	+ 8	+ .80	- 75	0.8	- 66
4802	+ 2	- .75	- 21	0.7	+ 34
4814	0	- .86	- 25	0.7	+ 26
5032	0	+ .93	+ 11	1.0	+ 13
5039	0	+ .90	+ 19	0.7	+ 28
5162	0	- .70	- 18	0.8	- 45
5174	+ 3	- .81	+ 40	0.8	+ 64
5185	0	- .88	- 25	0.8	- 58
5187	+ 5	- .90	+ 5	1.0	- 2
5904	+ 5	- .81	+104	1.0	+ 19
5906	- 3	- .82	+ 69	0.8	- 47
5914	+ 4	- .87	+105	0.8	+ 21
6123	0	+ .94	+155	0.6	+ 36
6125	+ 5	+ .94	+170	0.8	+ 64
6129	0	+ .92	+ 98	1.0	- 71

(519) BS 8685 22h 45m.3 -39°41'

J.D.	h	P	m	p	v
	min				
5056	0	+ .87	-23	0.6	-".015
5059	- 5	+ .85	+19	0.8	+ 64
5543	+ 9	- .70	-11	0.7	- 21
5780	+ 9	+ .90	-15	0.8	- 30
5784	- 7	+ .88	0	0.8	- 2
5910	0	- .72	+ 6	0.8	- 2
5915	- 4	- .77	0	0.6	- 13
5921	0	- .82	0	0.7	- 13
5927	+ 3	- .86	+37	0.7	+ 56
6140	+ 2	+ .93	-25	0.7	- 62
6145	0	+ .90	-21	0.6	- 55
6277	- 2	- .74	+13	0.8	- 4
6510	+ 2	+ .90	+36	0.8	+ 38
6513	+ 4	+ .89	+11	0.8	- 9
6658	- 2	- .85	+18	0.6	- 9
6868	+ 4	+ .93	+43	0.6	+ 38
6873	- 2	+ .91	+31	0.7	+ 15

(520) λ Aqar 22h 47m.4 -8°7'

J.D.	h	P	m	p	v
	min				
4687	+ 3	+ .90	0	1.0	+".034
4691	+ 2	+ .87	-12	1.0	+ 11
4692	0	+ .87	-23	0.8	- 9
4704	0	+ .78	-19	0.8	- 2
4706	0	+ .76	-35	0.8	- 32
4821	0	- .78	-53	0.7	- 55
5049	+ 2	+ .91	- 8	0.8	+ 6
5553	+ 4	- .79	-27	1.0	- 34
5567	+ 3	- .88	+63	0.6	+ 135
5568	+11	- .88	0	0.8	+ 17
5744	0	+ .93	+ 9	0.8	+ 13
5910	+10	- .71	-16	1.0	- 24
5915	0	- .77	-11	1.0	- 15
5924	0	- .83	+19	1.0	+ 41
5929	0	- .86	-25	0.7	- 41
6137	+ 3	+ .93	+ 8	0.7	- 4
6139	- 5	+ .93	0	0.7	- 19
6146	0	+ .90	0	0.7	- 19
6153	-10	+ .87	+12	0.7	+ 4

(521) PGC 6014 23h 17m.8 -11°19'

J.D.	h	P	m	p	v
	min				
5064	+12	+ .88	-657	0.7	-".009
5412	+ 3	+ .93	-426	0.7	+ 26
5551	+ 3	- .69	-425	1.0	- 47
5570	+10	- .84	-355	0.7	+ 68
5780	+ 7	+ .92	-212	0.8	+ 11
5920	+ 7	- .73	-199	0.8	- 39
5932	+ 4	- .82	-185	0.8	- 26
5936	+ 9	- .85	-179	0.8	- 15
6140	0	+ .94	0	1.0	- 4
6149	+ 6	+ .92	+ 17	0.8	+ 19
6298	+ 5	- .83	+ 44	0.8	- 9
6302	+ 6	- .85	+ 68	0.7	+ 32
6304	+ 8	- .87	+ 80	0.8	+ 51
6506	+ 7	+ .94	+212	0.7	- 19
6509	+ 2	+ .93	+215	0.8	- 17
6657	+ 7	- .79	+279	0.8	+ 19
6658	+ 4	- .79	+272	0.8	+ 8
6660	+11	- .80	+260	1.0	- 17
6872	+ 5	+ .93	+444	0.8	- 2
6873	+ 4	+ .93	+409	0.8	- 68
6874	+ 4	+ .93	+481	0.8	+ 68

(522) 101 Aqar 23h 28m.0 -21°28'

J.D.	h	P	m	p	v
	min				
4682	- 4	+ .93	-42	1.0	-".041
4687	+ 6	+ .92	-39	1.0	- 36
4691	0	+ .92	+ 7	1.0	+ 51
4704	0	+ .86	-30	0.8	- 19
4826	- 2	- .72	-51	0.7	- 71
4834	- 4	- .79	+ 5	1.0	+ 34
4840	0	- .84	+ 5	1.0	+ 34
5049	- 2	+ .93	-31	0.7	- 32
5049	+ 4	+ .93	- 5	0.8	+ 17
5053	- 3	+ .92	0	0.8	+ 26
5058	+ 4	+ .91	0	0.8	+ 26
5188	0	- .68	-14	0.8	- 15
5199	0	- .78	- 7	0.8	- 2
5202	+ 2	- .81	+37	0.7	+ 81
5204	+ 3	- .82	-34	0.8	- 53
5932	0	- .80	0	1.0	- 19
5940	+ 6	- .86	+10	0.6	0
6142	+ 2	+ .93	+10	1.0	+ 4
6145	- 2	+ .93	+16	0.8	+ 15
6149	+ 2	+ .92	0	0.6	- 15

(523) ι Phoe 23h 29m.7 -43°10'

J.D.	h	P	m	p	v
	min				
4706	+ 9	+ .85	-46	0.6	-".043
4710	0	+ .81	-30	1.0	- 13
4711	0	+ .81	-24	1.0	- 2
4714	0	+ .79	0	1.0	+ 43
4826	+ 2	- .72	-29	1.0	- 23
4834	0	- .78	-18	1.0	- 2
4841	+ 5	- .84	- 8	1.0	+ 17
5050	0	+ .93	+ 5	0.8	+ 23
5053	0	+ .92	-14	1.0	- 13
5059	0	+ .91	-12	1.0	- 9
5187	+ 3	- .67	+22	1.0	+ 39
5206	0	- .84	+ 5	1.0	+ 8
5207	+ 4	- .84	-22	1.0	- 43
5415	+ 3	+ .93	+30	0.7	+ 34
5416	0	+ .93	+20	1.0	+ 15
5425	0	+ .91	0	0.7	- 23
5432	0	+ .88	0	0.8	- 23

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μα from Plates
		h m	° ′				″	″	″	″	″
524	ζ Tucn	0 14.9	-65 28	13	4.34	F8	2.058	+.130	±.007	±.022	+1.680
525	BS 176	0 35.7	-60 1	46	5.79	G0	.976	+.053	8	27	+.866
526	40 Ceti	1 11.9	-2 48	-174	6.83	F8	.300	+.028	6	20	+.249
527	56 Ceti	1 52.0	-23 1	721	5.18	K5	.079	-.017	7	25	+.046
528	ξ¹ Ceti	2 7.7	+8 23	345	4.54	G5	.024	+.001	10	31	-.036
529	PGC 516	2 11.3	-10 17	462	7.24	G0	.275	+.022	5	19	+.249
530	20 Erid	3 31.7	-17 48	699	5.32	A0p	.031	+.010	6	20	+.011
531	δ Reti	3 57.2	-61 41	290	4.41	Ma	.022	-.007	10	31	-.004
532	47 Erid	4 29.4	-8 26	887	5.45	Ma	.031	+.001	5	19	-.013
533	ω Erid	4 48.0	-5 37	1068	4.45	F0	.024	+.008	7	25	-.031
534	27 Orio	5 19.4	-0 59	-886	5.15	G5	.125	+.014	7	22	-.023
535	ε Colm	5 27.7	-35 33	2348	3.92	K0	.058	+.003	6	19	+.005
536	49 Orio	5 34.0	-7 16	1142	4.88	A3	.049	+.038	9	31	-.016
537	17 Mono	6 41.9	+8 9	1496	5.00	K0	.023	-.005	6	19	-.018
538	BS 2576	6 49.6	-28 24	3554	6.03	G0	.527	+.036	7	28	+.272
539	BS 3002	7 40.3	-40 41	3377	5.11	K0	.230	.000	6	23	+.142
540	BS 3247	8 10.7	-49 54	3430	5.44	K5	.026	-.001	11	40	+.017
541	β Pyxi	8 36.2	-34 57	5128	4.04	G5	.020	+.013	8	30	+.024
542	ℓ Cari	9 42.5	-62 3	+1333	var	G0	.030	+.022	8	26	-.006
543	BS 3912	9 47.8	-46 5	+5508	4.56	G5	.035	+.001	6	22	-.008
544	BS 3995	10 5.9	-65 20	1248	5.36	K0	.072	-.018	6	20	-.041
545	BS 4337	11 4.3	-58 26	3189	4.02	F8p	.017	-.008	7	23	-.003
546	ξ Hyda	11 28.1	-31 18	9083	3.72	G5	.207	+.022	8	27	-.193
547	ζ Crat	11 39.7	-17 48	3460	4.90	G5	.052	+.025	7	23	+.031
548	3 Corv	12 5.9	-23 3	+3305	5.44	A2	.065	+.019	7	21	-.062
549	BS 4874	12 45.3	-33 27	8653	5.01	A0	.049	+.014	9	33	-.029
550	PGC 3425	13 7.2	-31 20	10156	6.66	G5	.378	+.025	5	17	-.198
551	BS 5120	13 31.3	-25 59	9900	5.49	A2	.090	+.016	9	28	-.049
552	BS 5356	14 13.3	-25 22	10271	5.92	F5	.537	+.055	8	28	-.377
553	BS 5450	14 30.8	-45 42	9302	5.44	*	.031	+.018	5	19	-.011
554	γ Libr	15 29.9	-14 27	4237	4.02	K0	.068	+.036	9	33	+.075
555	36 Serp	15 46.1	-2 47	4058	5.16	A2	.096	+.024	6	22	-.068
556	BS 6077	16 13.2	-30 40	13041	5.42	F2	.069	+.026	7	27	+.079
557	BS 6196	16 35.8	-17 33	4618	5.04	K0	.023	+.057	9	33	-.035
558	45 Ophi	17 21.0	-29 47	13557	4.37	F5	.157	+.017	6	23	+.008
559	η Pavo	17 35.9	-64 41	3662	3.58	K0	.056	+.020	9	32	-.036
560	α Scut	18 29.8	-8 19	4638	4.06	K0	.318	+.042	7	26	-.035
561	29 Sgtr	18 43.7	-20 26	5277	5.37	K0	.026	+.029	12	44	-.035
562	δ CorA	19 1.4	-40 39	13061	4.66	K0	.050	+.008	7	25	+.042
563	ν Aqil	19 21.4	+0 8	4206	4.86	F0	.008	-.001	7	24	-.004
564	ν Capr	20 15.1	-13 4	5642	4.84	A0	.021	+.016	5	20	-.021
565	α Micr	20 43.7	-34 9	14660	5.00	K0	.040	+.008	6	23	-.013
566	λ Capr	21 41.2	-11 50	-6087	5.43	A0	.029	+.035	6	24	+.004
567	μ Capr	21 47.8	-14 1	6149	5.18	F0	.310	+.043	6	22	+.329
568	θ Aqar	22 11.6	-8 17	5845	4.32	K0	.115	+.033	7	25	+.106
569	77 Aqar	22 49.5	-16 48	-6619	5.66	K0	.230	+.015	7	20	-.222
570	98 Aqar	23 17.7	-20 39	6587	4.20	K0	.152	+.031	5	19	-.138
571	ω² Aqar	23 37.5	-15 6	6476	4.62	A0	.109	+.036	6	19	+.093

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
524	- 58	+ 35	.221	- 32	- 32	.204	+ 23	- 34	.270	+ 43	+ 26	.305	10.8	5078	*
525	- 82	+ 2	.320	+ 28	+ 55	.274	+ 43	- 29	.255	+ 51	- 56	.151	11.1	5813	*
526	- 18	0	.296	- 7	+ 63	.250	- 7	- 42	.236	+ 40	- 27	.218	12.3	5586	- .1618
527	- 36	- 24	.412	- 16	+ 49	.343	+ 84	- 28	.245				11.6	5101	+ 280
528	- 63	- 38	.203	- 52	+ 10	.339	+ 27	+ 1	.172	+ 89	+ 15	.286	10.9	4867	- 1669
529	- 44	+ 31	.304	- 26	- 35	.223	+ 10	- 38	.203	+ 63	+ 22	.270	12.4	5461	- 1588
530	- 19	+ 48	.230	- 3	- 24	.431	+ 5	- 13	.283	+ 76	+ 57	.056	11.6	4891	- 55
531	- 71	- 31	.208	- 48	- 60	.111	+ 14	+ 43	.437	+ 57	- 23	.244	10.3	4888	- 908
532	- 61	+ 56	.255	- 13	- 18	.237	+ 20	- 31	.268	+ 55	- 7	.240	10.6	5261	+ 432
533	- 44	+ 28	.355	+ 3	- 51	.251	+ 12	- 15	.165	+ 56	+ 23	.229	11.0	5646	- 938
534	- 46	- 34	.359	- 20	+ 64	.222	+ 26	+ 36	.158	+ 64	- 29	.261	11.0	5172	+ 780
535	- 64	+ 13	.227	- 31	+ 14	.204	+ 34	- 34	.365	+ 41	+ 32	.204	10.9	4920	- 470
536	- 91	+ 31	.337	+ 24	- 35	.236	+ 58	- 6	.427				11.0	5188	- 925
537	- 48	+ 30	.226	- 44	- 48	.163	+ 23	- 61	.260	+ 35	+ 48	.351	10.2	4950	+ 523
538	- 48	+ 26	.238	- 30	- 43	.190	+ 27	+ 33	.317	+ 33	- 32	.255	11.0	5922	*
539	- 49	+ 35	.246	- 37	- 46	.218	+ 28	- 38	.255	+ 47	+ 40	.281	10.9	5574	- 55
540	- 37	- 15	.257	- 29	+ 7	.261	+ 24	+ 44	.268	+ 50	- 46	.214	9.1	6072	+ 14
541	- 80	- 56	.211	- 70	+ 42	.187	+ 28	+ 62	.281	+ 69	- 42	.321	10.5	4992	- 166
542	- 59	+ 18	.365	+ 10	- 61	.253	+ 37	- 6	.191	+ 62	+ 53	.191	10.2	5731	- 624
543	- 48	+ 12	.252	- 35	+ 23	.250	+ 20	- 60	.255	+ 65	+ 26	.243	9.9	5378	- 908
544	- 63	+ 5	.253	- 51	- 37	.217	+ 23	+ 57	.267	+ 79	- 33	.263	10.6	5744	- 170
545	- 49	+ 22	.324	- 29	- 24	.205	+ 43	+ 10	.321	+ 52	- 36	.150	9.3	6130	- 828
546	- 82	+ 42	.226	- 2	- 33	.380	+ 38	- 11	.260	+ 70	+ 43	.134	10.5	5632	+ 112
547	- 65	+ 6	.280	- 42	- 21	.140	+ 28	- 56	.196	+ 48	+ 32	.384	10.9	5041	- 1700
548	- 69	- 14	.338	- 46	+ 23	.184	+ 59	- 41	.259	+ 76	+ 50	.219	11.5	5775	+ 887
549	- 31	- 58	.360	- 14	+ 75	.287	+ 32	- 2	.228	+ 63	- 1	.125	10.2	6004	- 340
550	- 44	- 26	.292	+ 7	+ 62	.234	+ 10	- 19	.242	+ 39	- 9	.232	10.7	6012	+ 149
551	- 38	+ 7	.301	+ 11	- 23	.454	+ 27	+ 35	.245				11.1	4916	+ 65
552	- 60	+ 25	.331	- 15	- 40	.309	+ 66	+ 16	.239	+ 72	0	.121	11.1	5806	+ 548
553	- 58	+ 44	.209	- 46	- 44	.193	+ 35	- 64	.273	+ 35	+ 52	.325	10.6	6041	- 170
554	- 72	- 62	.260	- 42	+ 28	.289	+ 51	+ 1	.210	+ 84	+ 32	.241	11.0	5093	+ 722
555	- 38	+ 58	.060	- 16	- 23	.570	+ 31	+ 27	.370				12.0	6046	+ 114
556	- 73	- 47	.310	+ 13	+ 68	.223	+ 22	- 43	.219	+ 61	+ 35	.248	11.3	5689	+ 1561
557	- 96	+ 3	.432	+ 36	- 40	.139	+ 84	+ 10	.429				12.0	4967	- 75
558	- 73	+ 25	.243	- 17	- 46	.189	+ 28	- 5	.245	+ 43	+ 12	.323	10.8	4980	- 96
559	- 85	+ 27	.206	- 62	- 17	.186	+ 31	- 55	.280	+ 62	+ 40	.328	10.6	5115	+ 1559
560	- 69	- 14	.220	- 54	+ 12	.210	+ 21	- 11	.288	+ 74	+ 11	.282	10.8	4985	+ 731
561	- 94	- 14	.362	+ 7	- 51	.250	+ 83	+ 46	.388				10.2	4990	+ 13
562	- 59	- 4	.411	- 36	- 20	.154	+ 37	- 43	.120	+ 79	+ 31	.315	10.5	5877	- 1025
563	- 82	- 14	.233	- 22	+ 35	.151	+ 28	- 16	.368	+ 48	+ 15	.248	11.1	4997	+ 319
564	- 47	- 61	.316	- 39	+ 48	.316	+ 67	+ 56	.179	+ 80	- 31	.189	10.8	5743	+ 721
565	- 54	+ 56	.177	- 50	- 41	.286	+ 42	- 42	.304	+ 48	+ 62	.233	11.4	5896	- 1015
566	- 50	- 54	.283	- 49	+ 59	.275	+ 59	- 57	.110	+ 64	+ 16	.332	11.1	5179	+ 906
567	- 51	+ 10	.328	+ 17	- 19	.191	+ 26	+ 7	.311	+ 32	- 11	.170	12.2	5031	*
568	- 68	- 52	.314	+ 16	+ 68	.379	+ 50	- 30	.307				12.1	5549	- 333
569	- 48	+ 56	.236	- 28	- 51	.248	+ 17	- 46	.264	+ 66	+ 46	.252	12.2	5554	*
570	- 71	+ 58	.162	- 27	- 8	.368	+ 34	- 38	.325	+ 73	+ 39	.145	11.5	5196	+ 1633
571	- 72	- 2	.304	+ 26	- 8	.340	+ 37	+ 10	.356				11.4	5203	- 396

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_{π}	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
524	17.4	- 4.66	159.2	+1.57	+ 6.25	11.94	11.52	- .0375	+ .0499	+ .0778	- .00279	+ .02446	+ .00692
525	16.9	+ 8.68	340.6	+2.38	+ 3.24	11.69	11.34	- 744	- 627	+ 214	- 475	+ 1261	+ 283
526	16.4	- 0.71	385.5	+0.54	+ 1.95	10.94	10.91	- 2111	+1.4124	+ 162	- 1276	+ 363	+ 147
527	17.1	+48.02	797.8	+3.60	+ 9.17	12.12	11.36	+ 492	+ 5854	- 4	+ 118	+ 67	- 90
528	14.8	- 0.59	110.5	-0.68	+ 2.28	9.73	9.66	+ 66	- 587	- 9	+ 43	- 53	+ 6
529	19.3	+ 2.46	501.3	+2.62	- 7.45	13.57	13.09	- 200	+1.7863	- 148	- 165	+ 359	+ 120
530	17.7	+ 7.45	114.8	-1.57	- 0.07	12.09	11.95	- 52	+ 163	+ 71	- 31	+ 16	+ 55
531	15.1	+ 0.86	122.6	-1.56	+ 4.37	9.48	9.16	+ 141	- 80	- 54	+ 89	- 6	- 39
532	19.4	+ 0.12	278.1	+2.52	+ 4.14	13.64	13.25	+ 442	- 544	+ 60	+ 227	- 20	+ 8
533	18.4	+25.03	464.2	+1.20	-10.66	13.08	12.65	+ 117	- 1825	+ 122	+ 122	- 45	+ 45
534	16.5	+12.60	289.5	+1.97	- 0.86	11.28	11.02	- 226	- 1130	+ 65	- 121	- 34	+ 76
535	16.6	+ 6.24	92.2	-0.23	- 0.05	11.54	11.54	+ 167	+ 127	+ 13	+ 98	+ 7	+ 14
536	18.0	-16.84	231.5	-0.40	+ 0.55	12.64	12.63	- 82	- 419	+ 256	- 63	- 23	+ 202
537	16.2	+ 4.47	115.8	-3.77	+ 9.67	12.00	10.12	+ 42	- 316	- 69	+ 27	- 26	- 28
538	19.5	- 6.54	280.0	-2.77	+ 2.09	15.03	14.64	+ 61	- 101	+ 273	+ 57	+ 396	+ 193
539	18.2	+ 1.01	356.7	-2.16	+ 7.67	13.25	13.06	- 265	+ 7341	+ 191	- 157	+ 206	0
540	19.8	+12.21	286.6	-2.82	+ 8.65	13.66	12.87	- 131	+ 587	+ 37	- 82	+ 24	- 5
541	18.9	- 6.93	179.6	-3.51	- 2.17	13.24	12.52	+ 422	+ 428	- 3	+ 249	+ 34	+ 69
542	20.2	- 8.03	797.0	-3.77	+26.69	13.54	12.04	+ 225	- 469	+ 87	+ 130	- 8	+ 117
543	18.0	- 7.82	253.8	-4.67	+ 9.06	13.43	12.02	+ 123	- 337	- 33	+ 65	- 12	+ 6
544	17.8	+ 9.36	507.2	-1.86	+10.17	12.24	11.79	+ 44	- 3110	- 189	+ 46	- 60	- 97
545	17.4	- 6.55	643.7	-4.42	+ 8.94	12.47	11.27	+ 44	- 290	- 60	+ 14	- 4	- 41
546	19.1	+ 4.46	812.4	-2.42	+16.55	13.35	12.68	- 352	-2.2698	- 288	- 104	- 281	+ 114
547	17.5	-12.01	235.3	-2.16	+ 3.66	12.30	12.01	- 191	+ 1197	+ 194	- 61	+ 46	+ 134
548	13.9	-11.77	227.8	-3.16	+11.32	9.87	8.81	+ 47	- 1930	+ 1	- 21	- 90	+ 97
549	18.6	+ 1.44	347.2	-0.90	+ 0.29	13.58	13.54	+ 92	- 1449	+ 94	+ 56	- 42	+ 73
550	18.5	+ 0.26	315.6	-0.44	+ 5.88	13.01	12.89	- 122	- 9018	+ 5	- 59	- 288	+ 132
551	16.3	+ 5.61	110.2	+0.28	+ 7.68	10.47	9.94	- 74	- 729	+ 32	- 22	- 71	+ 83
552	18.4	+29.02	345.1	-1.96	+ 1.51	13.68	13.40	- 748	-1.7464	+ 224	+ 490	- 549	+ 295
553	18.0	- 0.30	342.3	-1.40	+ 2.92	13.74	13.61	+ 18	- 531	+ 122	+ 17	- 16	+ 93
554	19.0	- 9.30	264.4	+0.92	- 1.64	15.06	15.01	+ 885	+ 2387	+ 318	+ 510	+ 109	+ 192
555	18.7	- 2.67	123.3	+3.31	+ 4.74	15.15	14.33	+ 328	- 1189	+ 189	+ 138	- 98	+ 126
556	19.4	+14.95	617.5	-0.37	+17.64	15.49	14.95	+ 439	+ 7519	+ 411	+ 141	+ 114	+ 138
557	16.8	- 3.87	122.1	+1.99	+ 3.93	13.02	12.63	- 159	- 448	+ 344	- 142	- 51	+ 302
558	16.7	- 0.93	114.2	+1.21	+ 0.70	13.39	13.30	- 119	+ 151	+ 113	- 77	+ 12	+ 91
559	16.4	+ 0.50	105.3	-2.86	+ 5.77	13.45	12.62	+ 384	- 473	+ 43	+ 255	- 52	+ 109
560	16.3	- 2.96	120.0	+3.69	+ 2.99	13.77	12.83	- 195	- 486	+ 223	- 179	- 50	+ 221
561	18.3	- 2.28	122.2	+1.09	+ 4.90	14.38	14.11	- 137	- 535	+ 183	- 91	- 52	+ 152
562	16.5	+ 8.18	101.0	-0.02	- 5.21	14.27	13.99	- 17	+ 565	+ 25	- 41	+ 61	+ 40
563	14.2	- 1.27	108.5	+2.48	+ 4.33	11.50	10.91	+ 144	- 81	+ 16	+ 102	- 6	- 5
564	17.7	- 3.87	165.8	+1.67	+ 1.87	14.51	14.32	- 222	- 428	+ 98	- 141	- 30	+ 88
565	17.8	+21.77	239.8	+1.88	+ 4.81	14.05	13.82	- 1	- 379	+ 53	+ 18	- 18	+ 41
566	17.9	- 5.44	237.6	+0.86	-12.39	14.21	13.55	+ 382	- 200	+ 276	+ 206	+ 6	+ 188
567	16.8	- 1.15	119.3	+3.80	+ 0.48	12.90	12.04	- 233	+ 147	+ 231	- 191	+ 10	+ 235
568	18.3	- 7.07	557.9	+2.91	-16.59	12.78	11.89	- 118	+ 8320	- 42	- 33	+ 154	+ 175
569	13.8	-25.87	361.4	+1.34	-16.02	9.87	9.16	+ 99	- 730	+ 109	+ 38	- 14	+ 82
570	19.4	-14.29	216.7	+2.92	- 0.92	14.57	14.12	+ 511	- 4513	+ 287	+ 90	- 202	+ 167
571	18.0	+13.11	406.8	+4.65	-19.57	13.34	10.81	+ 614	+ 5354	+ 84	+ 192	+ 135	+ 194

(524) ζ Tucn 0h 14.9m −65° 28′

J.D.	h	P	m	p	v
	min				
4486	− 7	− .83	− 72	1.0	+ ″.021
4698	+ 5	+ .93	+ 43	1.0	+ 9
4699	− 3	+ .93	+ 15	0.8	− 43
4714	− 5	+ .88	+ 37	0.8	+ 6
4834	0	− .67	− 65	1.0	+ 17
4849	+ 3	− .81	− 55	1.0	+ 53
4850	0	− .81	−106	0.7	− 43
4853	+ 6	− .83	−107	0.8	− 43
5066	+ 4	+ .93	+ 54	1.0	+ 34
5071	0	+ .91	+ 38	0.8	+ 6
5081	0	+ .87	+ 29	0.8	− 6
5094	− 3	+ .77	+ 38	0.7	+ 23
5204	+ 2	− .71	− 75	1.0	+ 4
5207	0	− .75	−116	1.0	− 66
5214	+ 3	− .81	− 90	1.0	− 9
5439	+ 5	+ .90	+ 13	1.0	− 38
5440	− 2	+ .90	+ 26	0.7	− 13
5458	+ 6	+ .78	+ 33	0.7	+ 17
5460	+ 5	+ .76	+ 28	0.8	+ 9
5570	0	− .73	− 46	0.8	+ 64

(525) BS 176 0h 35.7m −60° 1′

J.D.	h	P	m	p	v
	min				
5081	0	+ .90	−12	1.0	+ ″.008
5214	0	− .76	−61	1.0	+ 8
5434	+ 3	+ .93	0	1.0	+ 38
5451	0	+ .88	−21	0.6	− 2
5460	− 4	+ .82	+19	0.7	+ 73
5462	− 6	+ .80	−63	0.8	− 81
5570	− 2	− .66	−93	1.0	− 53
5582	0	− .78	−58	0.8	+ 13
5813	− 8	+ .89	−32	0.8	− 17
5940	+ 3	− .71	−47	0.8	+ 45
5943	+ 2	− .75	−71	0.8	0
5950	− 6	− .80	−89	0.8	− 34
5956	+ 9	− .84	−84	0.6	− 24
6159	− 6	+ .94	−33	1.0	− 19
6165	− 4	+ .93	− 9	0.8	+ 26
6298	0	− .63	−33	1.0	+ 71
6310	0	− .76	−90	1.0	− 36
6523	− 3	+ .94	−27	1.0	+ 2
6540	+ 8	+ .91	−57	0.8	− 55
6541	0	+ .91	− 8	0.6	+ 38

(526) 40 Ceti 1h 11.9m −2° 48′

J.D.	h	P	m	p	v
	min				
4737	+10	+ .83	−407	0.8	+ ″.034
4741	+ 2	+ .80	−395	1.0	+ 51
4744	+ 6	+ .78	−439	0.8	− 30
5215	0	− .68	−278	1.0	− 9
5217	+ 9	− .70	−269	0.8	+ 4
5230	+ 3	− .82	−283	1.0	− 21
5452	+ 2	+ .92	−199	0.8	− 66
5582	+ 6	− .70	−128	1.0	+ 17
5586	0	− .73	−141	1.0	− 6
5593	0	− .80	−149	1.0	− 23
5805	− 3	+ .94	− 48	1.0	− 26
5948	+ 7	− .70	0	1.0	+ 13
5950	0	− .72	0	0.8	+ 11
5961	+ 8	− .82	+ 4	1.0	+ 13
6167	− 2	+ .94	+ 73	0.7	− 45
6176	+ 4	+ .94	+116	1.0	+ 30
6179	+ 6	+ .93	+115	1.0	+ 26
6181	− 6	+ .92	+108	0.7	+ 13

(527) 56 Ceti 1h 52.0m −23° 1′

J.D.	h	P	m	p	v
	min				
4506	− 7	− .79	+ 28	0.8	+ ″.092
4726	0	+ .95	+ 11	0.7	+ 58
4727	− 3	+ .95	− 38	1.0	− 34
4750	+ 6	+ .83	− 17	0.8	+ 6
4760	− 5	+ .74	− 49	0.7	− 55
4866	+10	− .74	− 3	1.0	− 11
4874	+ 5	− .81	− 16	1.0	− 36
5084	+ 7	+ .95	0	0.7	− 6
5108	+ 5	+ .88	+ 35	0.8	+ 60
5112	0	+ .85	0	1.0	− 6
5234	0	− .77	0	1.0	− 53
5462	− 4	+ .94	+ 4	1.0	− 45
5465	+ 6	+ .92	+ 40	0.8	+ 23
5591	+ 5	− .68	+ 52	0.7	+ 2
5966	+ 6	− .78	+ 84	0.7	+ 13
5968	+ 5	− .80	+ 92	0.8	+ 28
6204	+ 5	+ .88	+ 76	0.8	− 4
6206	+ 3	+ .86	+ 84	0.8	+ 11
6329	+ 5	− .76	+ 98	1.0	− 6
6564	− 2	+ .91	+109	1.0	+ 13

(528) ξ¹ Ceti 2h 7.7m +8° 23′

J.D.	h	P	m	p	v
	min				
4499	+ 5	− .68	− 6	1.0	− ″.055
4501	+ 5	− .71	+86	0.8	+ 118
4504	0	− .74	+40	0.8	+ 32
4506	0	− .76	0	1.0	− 43
4724	− 6	+ .96	+11	1.0	− 2
4725	− 5	+ .96	+31	1.0	+ 36
4730	+ 3	+ .95	0	0.8	− 23
4744	+ 2	+ .90	+15	0.8	+ 6
4867	− 3	− .72	−37	1.0	− 77
4876	+ 3	− .80	+11	1.0	+ 13
5091	− 2	+ .96	− 8	0.8	+ 2
5112	0	+ .88	0	0.8	+ 17
5127	− 6	+ .77	−28	1.0	− 36
5225	0	− .63	0	1.0	+ 28
5234	0	− .73	−16	1.0	− 2
5243	− 4	− .81	− 7	1.0	+ 15

(529) PGC 516 2h 11.3m −10° 17′

J.D.	h	P	m	p	v
	min				
4737	+ 5	+ .94	−263	0.8	″.000
4741	0	+ .92	−253	1.0	+ 18
4746	+ 3	+ .90	−277	1.0	− 27
4764	0	+ .75	−269	1.0	− 14
4874	+ 3	− .77	−217	0.8	+ 36
5112	+ 4	+ .89	−116	0.8	+ 26
5229	+ 2	− .67	− 97	0.8	+ 17
5235	+ 3	− .74	−128	1.0	− 44
5243	+ 2	− .80	−100	1.0	+ 9
5460	+ 2	+ .96	− 4	0.8	+ 2
5462	+ 6	+ .96	− 8	1.0	− 6
5593	+ 5	− .66	0	1.0	− 46
5600	+ 6	− .74	+ 26	1.0	+ 3
5607	+10	− .79	+ 29	0.7	+ 10
5822	− 7	+ .96	+141	0.8	+ 30
5966	+ 7	− .74	+181	0.7	+ 44
5968	0	− .76	+138	1.0	− 37
5973	+ 2	− .80	+171	1.0	+ 24
6192	+ 2	+ .95	+266	0.7	+ 10
6204	+ 2	+ .92	+282	0.8	+ 40
6206	+ 7	+ .90	+244	0.8	− 33
6211	+ 3	+ .87	+244	0.8	− 33

(530) 20 Erid $3^h 31^m.7$ $-17°48'$

J.D.	h	P	m	p	v
	min				
4522	0	- .73	- 7	I.0	+".012
4531	+ 4	- .82	-20	0.8	- 14
4532	+ 8	- .82	-12	I.0	+ 1
4750	+ 3	+ .98	+ 8	0.8	+ 17
4764	0	+ .93	+10	I.0	+ 19
4767	+ 2	+ .92	-22	I.0	- 42
4774	- 6	+ .87	-31	I.0	- 58
4886	0	- .72	-12	I.0	- 9
4887	0	- .73	+10	I.0	+ 31
4892	- 3	- .78	+ 3	I.0	+ 19
4898	0	- .83	+ 7	0.8	+ 28
5122	0	+ .96	+35	0.7	+ 55
5129	- 3	+ .94	+ 6	I.0	0
5130	+ 2	+ .93	+34	0.8	+ 52
5143	+ 4	+ .85	- 2	0.8	- 13
5248	+ 5	- .68	-20	I.0	- 34
5250	+ 4	- .71	+ 1	I.0	+ 6
5255	0	- .75	- 3	I.0	- 3
5265	0	- .85	-19	I.0	- 33

(531) δ Reti $3^h 57^m.2$ $-61°41'$

J.D.	h	P	m	p	v
	min				
4515	-14	- .58	-23	0.8	-".070
4528	+11	- .73	-10	0.8	- 45
4532	+ 2	- .78	+43	0.8	+ 55
4536	+ 5	- .82	+40	0.8	+ 49
4537	+ 9	- .82	0	I.0	- 26
4760	+ 2	+ .98	+21	0.8	+ 28
4767	+ 3	+ .95	0	0.6	- 11
4774	+ 6	+ .92	+38	I.0	+ 60
4795	- 7	+ .73	- 5	0.8	- 21
4886	+ 4	- .66	+57	0.8	+ 85
4891	- 2	- .72	-27	0.8	- 73
5133	+ 2	+ .95	+11	0.8	+ 11
5145	+ 5	+ .88	-18	0.8	- 43
5152	0	+ .82	-16	I.0	- 39
5248	+ 3	- .61	+24	I.0	+ 26
5250	- 3	- .64	+48	0.5	+ 71
5264	0	- .80	- 4	I.0	- 26
5265	0	- .81	+ 4	I.0	- 11

(532) 47 Erid $4^h 29^m.4$ $-8°26'$

J.D.	h	P	m	p	v
	min				
4799	- 4	+ .78	+34	I.0	+".002
4800	- 7	+ .77	+41	I.0	+ 16
4801	- 6	+ .76	+54	I.0	+ 40
4892	- 7	- .64	+51	I.0	+ 41
4902	0	- .76	+ 6	0.7	- 42
4910	0	- .84	+40	I.0	+ 20
4917	0	- .90	+21	I.0	- 15
5134	0	+ .98	+24	I.0	- 4
5147	0	+ .93	+ 6	I.0	- 37
5154	+ 3	+ .88	+ 8	I.0	- 34
5157	0	+ .86	+18	I.0	- 14
5256	0	- .62	+13	I.0	- 18
5266	- 2	- .74	+ 3	I.0	- 36
5496	- 3	+ .99	+47	0.7	+ 52
5636	+ 4	- .80	+33	I.0	+ 34
5645	+ 6	- .87	+17	I.0	+ 6
5646	0	- .88	+10	I.0	- 9
5868	0	+ .97	+ 1	I.0	- 22
5886	- 9	+ .86	+23	I.0	+ 21
5887	0	+ .86	+11	I.0	- 1

(533) ω Erid $4^h 48^m.0$ $-5°37'$

J.D.	h	P	m	p	v
	min				
4800	0	+ .82	+70	I.0	+".030
4802	- 8	+ .79	+54	I.0	0
4804	- 5	+ .77	+40	I.0	- 26
5636	+ 2	- .75	-17	I.0	- 47
5645	+ 2	- .85	+16	I.0	+ 15
5650	+ 4	- .88	+11	0.8	+ 6
5652	+10	- .91	-27	I.0	- 66
5868	0	+ .99	+42	I.0	+ 70
5887	0	+ .89	0	I.0	- 9
5893	- 4	+ .85	0	I.0	- 9
5997	0	- .70	0	I.0	+ 15
6001	0	- .76	+24	I.0	+ 60
6010	0	- .85	0	I.0	+ 15
6014	0	- .87	+ 9	I.0	+ 32
6236	- 4	+ .98	-28	0.8	- 32
6239	- 4	+ .97	-17	I.0	- 11
6256	0	+ .86	0	I.0	+ 21
6262	+ 7	+ .80	-36	0.8	- 47
6363	+ 2	- .71	-35	I.0	- 23

(534) 27 Orio $5^h 19^m.4$ $-0°59'$

J.D.	h	P	m	p	v
	min				
4801	0	+ .88	-25	I.0	-".058
4802	0	+ .86	+22	I.0	+ 30
4804	- 5	+ .85	+22	I.0	+ 30
4813	+ 5	+ .76	+19	0.8	+ 24
4922	- 4	- .85	- 4	I.0	+ 13
4923	- 3	- .85	-12	I.0	- 2
4924	+ 3	- .86	-10	0.8	+ 2
4927	+ 4	- .89	- 5	0.8	+ 11
5154	+ 4	+ .96	0	I.0	+ 11
5178	0	+ .77	-17	I.0	- 21
5185	- 2	+ .68	-23	I.0	- 32
5642	+ 2	- .74	-15	I.0	+ 36
5644	0	- .77	-42	0.7	- 15
5645	+ 6	- .78	-56	I.0	- 41
5649	+ 5	- .82	-34	0.8	0
5892	+ 9	+ .92	-33	0.8	- 8
5902	+ 7	+ .84	-48	I.0	- 36
5906	+10	+ .79	+11	0.8	+ 75

(535) ε Colm $5^h 27^m.7$ $-35°33'$

J.D.	h	P	m	p	v
	min				
4553	0	- .80	- 5	I.0	-".021
4558	+ 2	- .85	+23	I.0	+ 32
4791	- 3	+ .95	+ 1	I.0	- 16
4802	+ 4	+ .88	- 4	I.0	- 24
4804	- 8	+ .87	+22	I.0	+ 22
4809	- 2	+ .82	- 2	0.8	- 21
4814	- 5	+ .77	+22	0.8	+ 23
4912	+ 5	- .73	+23	I.0	+ 27
4919	+ 5	- .81	-13	I.0	- 42
4921	0	- .83	+ 5	I.0	- 7
4928	- 4	- .89	+23	0.8	+ 27
5150	0	+ .99	- 6	0.8	- 34
5175	- 2	+ .82	+38	I.0	+ 47
5186	+ 5	+ .69	+21	0.8	+ 15
5187	0	+ .68	+ 9	I.0	- 8
5287	+ 6	- .84	-14	0.8	- 47
5294	+ 4	- .89	+22	0.8	+ 19
5302	+12	- .94	+17	I.0	+ 12

(536) 49 Orio 5h 34m.0 -7° 16'

J.D.	h	P	m	p	v
	min				
4558	+ 3	- .84	- 31	0.8	-".043
4559	+ 9	- .84	+ 31	0.8	+ 73
4566	+ 6	- .90	- 40	0.8	- 60
4790	+ 6	+ .96	+ 23	0.8	+ 4
4796	0	+ .94	+ 22	I.0	+ 2
4801	+ 5	+ .91	+ 48	I.0	+ 51
4813	- 2	+ .79	0	I.0	- 39
4912	+ 5	- .71	- 19	I.0	- 8
4921	0	- .81	- 17	I.0	- 4
5185	+ 6	+ .72	- 46	I.0	- 102
5187	+ 4	+ .70	+ 23	I.0	+ 28
5193	0	+ .62	+ 36	I.0	+ 53
5287	+ 5	- .82	- 47	I.0	- 38
5302	+10	- .94	0	I.0	+ 51
5303	+ 8	- .94	0	I.0	+ 51
5526	+ 4	+ .94	+ 14	I.0	+ 17
5531	+ 4	+ .91	- 4	I.0	- 17
5641	+ 6	- .70	- 48	I.0	- 28
5662	+10	- .90	- 38	0.8	- 9

(537) 17 Mono 6h 41m.9 +8° 9'

J.D.	h	P	m	p	v
	min				
4566	+ 8	- .76	+46	I.0	+".060
4592	+ 3	- .96	+ 8	I.0	- 12
4596	+ 3	- .98	+14	0.8	0
4597	+ 7	- .98	+ 4	I.0	- 21
4821	+ 5	+ .86	- 2	0.7	- 10
4830	0	+ .78	-19	0.8	- 42
4840	0	+ .65	- 9	0.7	- 21
4947	0	- .90	0	I.0	- 11
4949	+ 3	- .92	+ 5	I.0	0
4954	- 6	- .95	+16	I.0	+ 20
5178	0	+ .93	+11	0.8	+ 33
5193	+ 5	+ .80	-11	I.0	- 9
5195	0	+ .79	-19	0.7	- 24
5196	+ 5	+ .78	+21	0.7	+ 52
5198	- 3	+ .74	+ 7	I.0	+ 26
5302	+ 5	- .81	-18	I.0	- 28
5307	0	- .86	-16	I.0	- 23
5312	+ 3	- .90	+ 3	I.0	+ 14

(538) BS 2576 6h 49m.6 -28° 24'

J.D.	h	P	m	p	v
	min				
5329	+ 5	- .98	- 2	I.0	+".017
5330	+ 3	- .98	-54	0.7	- 81
5332	+10	- .99	+ 7	0.6	+ 34
5545	0	+ .93	+35	0.8	+ 23
5553	+ 2	+ .87	+29	I.0	+ 11
5560	+ 2	+ .80	+34	I.0	+ 21
5568	0	+ .72	+30	I.0	+ 13
5673	0	- .85	-31	I.0	- 38
5685	0	- .94	-13	I.0	- 4
5690	0	- .96	-12	I.0	- 2
5695	+ 3	- .98	+14	0.8	+ 47
5921	+ 7	+ .84	+12	I.0	- 19
5923	+ 2	+ .82	+22	I.0	0
6057	+ 5	- .97	-35	I.0	- 39
6277	0	+ .91	+57	I.0	+ 70
6292	0	+ .78	+ 2	I.0	- 34
6303	+ 4	+ .65	-27	I.0	- 88
6391	0	- .72	+12	0.8	+ 47
6407	+ 4	- .88	-25	I.0	- 23
6413	+ 7	- .93	+14	0.8	+ 51
6420	0	- .96	- 6	I.0	+ 13

(539) BS 3002 7h 40m.3 -40° 41'

J.D.	h	P	m	p	v
	min				
4609	+ 3	- .97	-204	I.0	+".021
4611	- 2	- .98	-210	I.0	+ 9
5206	0	+ .78	-120	I.0	- 55
5214	+ 3	+ .71	- 96	I.0	- 9
5325	0	- .89	- 62	0.8	+ 8
5330	+ 6	- .93	- 90	I.0	- 45
5560	- 5	+ .89	0	I.0	+ 30
5570	+ 2	+ .80	- 28	0.8	- 23
5582	+ 7	+ .68	+ 10	0.8	+ 49
5583	+ 2	+ .66	- 8	I.0	+ 15
5697	+ 3	- .94	+ 36	I.0	+ 47
5707	+ 5	- .98	0	I.0	- 21
5940	+ 9	+ .76	+ 50	I.0	- 19
5943	+ 4	+ .72	+ 40	0.8	- 38
5947	+ 3	+ .68	+ 64	0.6	+ 8
5949	+ 6	+ .64	+ 87	I.0	+ 51
6057	+ 4	- .90	+ 93	0.8	+ 13
6065	+ 3	- .95	+ 64	I.0	- 41
6076	+ 7	- .99	+ 71	0.8	- 28
6077	+ 7	- .99	+111	0.8	+ 47

(540) BS 3247 8h 10m.7 -49° 54'

J.D.	h	P	m	p	v
	min				
5356	+ 2	- .98	+38	0.8	+".117
5583	+ 2	+ .75	-31	I.0	- 21
5593	+ 4	+ .62	-33	I.0	- 24
5704	+ 3	- .93	-37	I.0	- 38
5718	+ 2	- .98	-12	I.0	+ 9
5943	+ 4	+ .79	0	I.0	+ 23
5950	+ 6	+ .71	0	I.0	+ 23
6067	+10	- .91	-85	0.7	- 147
6068	0	- .92	-36	I.0	- 55
6076	0	- .96	0	I.0	+ 13
6077	- 3	- .96	+ 7	I.0	+ 26
6309	+ 4	+ .78	-66	0.8	- 120
6323	+10	+ .62	-16	I.0	- 26
6325	- 5	+ .60	+29	I.0	+ 58
6421	+ 6	- .83	+26	I.0	+ 47
6424	+ 3	- .86	-35	I.0	- 68
6438	+ 6	- .95	+41	I.0	+ 75
6452	+ 8	- .98	0	0.7	- 2
6673	+ 2	+ .79	+11	I.0	+ 8
6684	+ 2	+ .67	+21	I.0	+ 26
6685	0	+ .67	+21	0.8	+ 26

(541) β Pyxi 8h 36m.2 -34° 57'

J.D.	h	P	m	p	v
	min				
4484	- 7	+ .83	0	I.0	-".024
4496	+ 2	+ .71	+17	I.0	+ 8
4594	+ 7	- .75	+33	I.0	+ 51
4611	+ 6	- .90	-14	I.0	- 38
4619	+ 7	- .94	-35	I.0	- 77
4625	+ 7	- .96	+18	I.0	+ 23
4859	+ 3	+ .73	+28	I.0	+ 4
4860	+ 2	+ .72	+63	0.7	+ 70
4873	- 7	+ .55	+21	I.0	- 9
4983	- 2	- .94	+43	I.0	+ 47
4996	0	- .97	+25	0.8	+ 13
4998	+ 3	- .97	+23	I.0	+ 9
5214	+ 3	+ .83	0	I.0	- 71
5224	- 2	+ .74	+31	I.0	- 13
5229	0	+ .68	+37	0.8	- 2
5234	+ 6	+ .61	+69	I.0	+ 58
5336	+ 6	- .85	+ 5	0.8	- 49
5348	+ 3	- .94	+49	I.0	+ 34
5357	+ 9	- .97	0	I.0	- 58
5361	+ 3	- .97	+51	0.8	+ 38

(542) ℓ Cari 9h 42m.5 -62°3'

J.D.	h	P	m	p	v
	min				
4628	0	- .89	-22	1.0	-".062
4632	0	- .91	0	1.0	- 21
4634	- 2	- .92	+23	1.0	+ 23
4648	+ 3	- .95	+42	1.0	+ 58
5249	-10	+ .61	+11	0.8	- 24
5364	+ 3	- .91	+ 5	0.8	0
5598	+ 3	+ .79	+13	1.0	- 17
5601	+ 5	+ .75	+48	1.0	+ 49
5613	+ 2	+ .63	+69	1.0	+ 88
5614	-10	+ .61	0	1.0	- 41
5721	+ 8	- .87	-14	0.8	- 30
5741	- 8	- .95	+ 8	0.8	+ 9
5972	+ 5	+ .70	0	1.0	- 36
5974	+ 5	+ .68	+ 3	0.7	- 30
6103	0	- .95	-15	1.0	- 26
6107	0	- .95	+32	0.8	+ 62
6325	+ 2	+ .82	+14	1.0	- 4
6344	+ 4	+ .61	+13	1.0	- 6
6345	- 5	+ .60	+21	0.7	+ 9
6449	+ 5	- .84	- 4	1.0	- 2
6459	+ 4	- .91	-18	0.8	- 28
6461	- 4	- .92	+ 7	1.0	+ 19

(543) BS 3912 9h 47m.8 -46°5'

J.D.	h	P	m	p	v
	min				
4655	+ 3	- .95	- 12	1.0	-".048
4656	+ 2	- .95	+ 45	1.0	+ 60
4657	+ 7	- .95	- 10	1.0	- 43
4886	+ 7	+ .60	+ 25	1.0	+ 23
5242	+ 3	+ .71	+ 12	1.0	+ 7
5248	+ 9	+ .64	+ 28	0.8	+ 37
5249	- 2	+ .63	+ 7	0.8	- 2
5376	+ 7	- .95	+ 6	1.0	+ 1
5377	+ 4	- .95	+ 18	1.0	+ 24
5378	+ 2	- .95	+ 22	0.8	+ 32
5381	+ 2	- .95	- 6	1.0	- 20
5596	+ 4	+ .82	+ 19	1.0	+ 28
5597	0	+ .81	- 3	1.0	- 15
5598	+ 8	+ .80	0	1.0	- 9
5601	+ 4	+ .77	- 33	0.8	- 71
5731	+ 6	- .91	0	1.0	- 1
5742	- 3	- .95	- 6	1.0	- 12
5746	- 6	- .95	+ 7	1.0	+ 12
5750	- 2	- .95	+ 9	0.8	+ 15

(544) BS 3995 10h 5m.9 -65°20'

J.D.	h	P	m	p	v
	min				
4654	+ 2	- .95	+ 70	1.0	-".019
4657	+ 4	- .95	+101	1.0	+ 39
5249	0	+ .68	+ 39	1.0	+ 21
5384	- 2	- .95	+ 33	0.8	- 4
5614	0	+ .68	- 15	0.8	- 39
5615	+ 3	+ .67	- 6	0.8	- 23
5616	- 4	+ .66	+ 7	1.0	+ 2
5742	+ 4	- .93	- 6	1.0	- 38
5746	+ 5	- .94	0	1.0	- 26
5972	+ 5	+ .75	0	0.8	+ 32
5973	0	+ .75	- 29	1.0	- 23
5974	- 2	+ .74	- 10	0.8	+ 13
5980	+ 3	+ .67	- 15	1.0	+ 4
6102	- 6	- .91	+ 12	0.8	+ 39
6109	- 8	- .94	0	0.8	+ 17
6332	+ 6	+ .80	- 25	0.8	+ 24
6344	0	+ .68	- 43	1.0	- 9
6470	+ 6	- .92	0	0.8	+ 56
6473	- 6	- .93	- 28	0.8	+ 4
6476	- 4	- .94	- 61	0.8	- 58

(545) BS 4337 11h 4m.3 -58°26'

J.D.	h	P	m	p	v
	min				
5032	+ 3	- .93	+21	0.8	+".023
5036	+ 3	- .93	+42	1.0	+ 62
5271	-10	+ .58	+12	0.8	+ 17
5398	+ 6	- .93	-28	1.0	- 68
5404	+ 2	- .94	-18	1.0	- 49
5613	+ 2	+ .81	0	0.8	0
5980	+ 2	+ .80	+ 4	1.0	+ 8
5990	- 2	+ .72	0	0.8	0
6130	+ 4	- .93	- 5	0.8	- 19
6131	+ 2	- .93	- 6	1.0	- 21
6353	+ 4	+ .73	+16	1.0	+ 34
6365	+ 3	+ .61	0	1.0	+ 4
6491	0	- .93	+16	1.0	+ 23
6497	- 4	- .93	0	1.0	- 8
6711	+ 4	+ .79	-33	1.0	- 55
6731	+ 2	+ .60	-10	0.8	- 11
6853	+ 2	- .92	+ 9	0.8	+ 13
6856	0	- .93	+13	1.0	+ 21
6858	- 9	- .93	+20	0.8	+ 34

(546) ξ Hyda 11h 28m.1 -31°18'

J.D.	h	P	m	p	v
	min				
4662	0	- .89	+277	0.8	+".049
4671	+ 2	- .92	+245	0.8	- 11
4673	+ 9	- .93	+226	1.0	- 45
4894	+ 5	+ .78	+211	0.8	+ 8
4895	0	+ .77	+154	0.8	- 100
5032	0	- .91	+142	1.0	- 8
5038	0	- .93	+152	0.7	+ 8
5270	+ 8	+ .67	+130	1.0	+ 56
5407	0	- .93	+ 54	1.0	+ 23
5624	+ 6	+ .78	+ 4	0.8	+ 15
5641	+ 8	+ .61	- 6	1.0	- 6
5774	+10	- .93	- 32	1.0	+ 55
5984	+ 5	+ .81	-104	1.0	0
5998	+ 2	+ .70	- 98	0.8	+ 11
6139	+ 9	- .93	-170	1.0	- 11
6353	0	+ .79	-240	1.0	- 64
6363	0	+ .70	-176	1.0	+ 56
6364	0	+ .69	-200	1.0	+ 13
6496	0	- .92	-266	1.0	0
6498	+ 3	- .93	-284	0.8	- 36
6502	+ 3	- .93	-282	0.8	- 34

(547) ζ Crat 11h 39m.7 -17°48'

J.D.	h	P	m	p	v
	min				
4523	- 9	+ .83	- 41	1.0	-".041
4531	+ 6	+ .78	- 16	0.7	+ 6
4538	+ 2	+ .72	- 37	0.8	- 34
4543	0	+ .67	+ 15	0.7	+ 64
4662	+ 3	- .87	- 23	1.0	+ 23
4680	+ 2	- .93	- 43	1.0	- 15
4681	+ 5	- .93	- 57	1.0	- 41
4682	+ 5	- .93	- 29	1.0	+ 11
4892	+ 4	+ .81	+ 15	0.8	+ 32
4895	0	+ .79	- 8	0.8	- 11
5034	+ 4	- .90	0	0.8	+ 34
5039	0	- .92	- 18	0.8	0
5045	0	- .93	- 32	0.8	- 26
5047	0	- .93	0	1.0	+ 34
5268	+ 6	+ .73	- 8	0.8	- 41
5277	0	+ .63	+ 42	1.0	+ 53
5413	+12	- .93	- 25	1.0	- 45
5414	+ 2	- .93	+ 17	0.7	+ 34
5624	0	+ .80	+ 31	0.8	0
5641	+ 6	+ .64	+ 18	1.0	- 24

(548) 3 Corv 12h 5m.9 -23° 3'

J.D.	h	P	m	p	v
	min				
5047	0	- .92	+59	0.6	+".008
5048	- 2	- .93	+30	0.8	- 45
5052	0	- .93	+62	0.8	+ 15
5053	+ 2	- .93	+57	0.8	+ 6
5285	0	+ .62	+87	0.6	+ 72
5641	- 3	+ .71	+ 3	0.8	- 25
5642	+ 7	+ .71	+37	0.6	+ 38
5644	+ 4	+ .68	+27	0.6	+ 20
5649	0	+ .63	-25	0.6	- 78
5774	0	- .91	-10	0.6	+ 2
5775	+ 2	- .92	- 5	0.8	+ 11
5776	+10	- .92	-26	0.8	- 27
5997	- 4	+ .79	+ 2	0.6	+ 32
5999	- 5	+ .78	-19	0.8	- 8
6000	+ 4	+ .77	-37	0.6	- 42
6001	0	+ .76	-15	0.7	0
6135	+ 2	- .90	-21	0.6	+ 44
6141	+ 3	- .92	-12	0.6	+ 60
6146	+ 3	- .93	-61	0.8	- 32
6147	+ 9	- .93	-54	0.8	- 19

(549) BS 4874 12h 45m.3 -33° 27'

J.D.	h	P	m	p	v
	min				
5038	0	- .83	+ 70	0.8	+".060
5060	+ 2	- .93	+ 36	1.0	- 4
5640	- 3	+ .81	+ 51	0.8	+ 45
5646	+ 6	+ .77	+ 51	1.0	+ 45
5651	+ 3	+ .73	+ 21	1.0	- 11
5787	+ 2	- .92	0	0.8	- 13
5790	0	- .93	0	1.0	- 13
5999	0	+ .86	- 9	0.8	- 39
6001	0	+ .85	- 20	1.0	- 60
6007	+ 6	+ .80	- 34	0.8	- 86
6009	0	+ .79	+ 12	1.0	0
6146	+ 5	- .90	- 20	1.0	- 24
6160	+ 8	- .94	- 47	1.0	- 75
6363	- 2	+ .86	0	1.0	+ 8
6377	0	+ .76	- 12	1.0	- 15
6379	+ 8	+ .75	+ 45	1.0	+ 92
6512	+ 4	- .90	- 16	0.8	+ 13
6515	+ 2	- .91	- 21	0.8	+ 4
6517	+ 2	- .92	- 27	1.0	- 8
6520	+ 4	- .92	+ 20	1.0	+ 81

(550) PGC 3425 13h 7m.2 -31° 20'

J.D.	h	P	m	p	v
	min				
5052	- 3	- .88	+265	1.0	+".011
5416	- 8	- .88	+145	0.8	- 15
5418	- 3	- .89	+150	1.0	- 6
5655	+ 2	+ .75	+109	0.8	+ 4
5656	+ 4	+ .74	+ 94	1.0	- 24
5658	- 2	+ .72	+130	0.8	+ 43
5801	0	- .94	+ 40	0.5	- 4
6004	+ 4	+ .87	+ 28	0.8	+ 41
6009	+ 2	+ .84	- 24	1.0	- 56
6015	- 5	+ .79	0	0.8	- 11
6019	- 9	+ .76	0	1.0	- 11
6155	0	- .91	- 56	0.8	+ 8
6160	- 2	- .93	- 60	1.0	0
6162	- 8	- .94	- 49	1.0	+ 21
6379	0	+ .80	- 95	1.0	+ 19
6380	0	+ .79	-103	0.8	+ 4
6387	+ 3	+ .73	-101	0.8	+ 8
6399	+ 4	+ .61	-103	1.0	+ 4
6517	+ 7	- .90	-142	0.8	+ 43
6525	+ 8	- .93	-175	1.0	- 19
6529	+ 7	- .94	-190	0.8	- 47

(551) BS 5120 13h 31m.3 -25° 59'

J.D.	h	P	m	p	v
	min				
4576	+ 5	+ .64	+31	0.8	+".008
4578	+ 5	+ .61	0	0.8	- 51
4588	+10	+ .50	+39	0.8	+ 23
4688	0	- .86	+ 8	0.8	+ 2
4689	+ 5	- .86	0	0.7	- 13
4699	+ 2	- .91	+27	1.0	+ 38
4705	+ 3	- .93	-13	0.8	- 38
4912	- 4	+ .88	+33	1.0	+ 53
4916	0	+ .86	- 8	1.0	- 24
4919	0	+ .84	- 3	0.8	- 15
5053	+ 2	- .85	-22	1.0	- 6
5059	+ 3	- .89	+23	1.0	+ 79
5064	0	- .91	-49	1.0	- 56
5070	0	- .93	-37	0.8	- 34
5292	+ 5	+ .79	0	1.0	+ 43
5300	+ 5	+ .71	-10	1.0	+ 24
5306	+ 3	+ .65	-57	1.0	- 64
5307	- 8	+ .64	-31	1.0	- 15

(552) BS 5356 14h 13m.3 -25° 22'

J.D.	h	P	m	p	v
	min				
5083	- 4	- .95	+441	0.8	+".043
5440	0	- .93	+242	0.7	+ 39
5445	- 3	- .94	+221	1.0	0
5652	0	+ .90	+180	0.8	+ 43
5662	+ 2	+ .84	+175	0.8	+ 43
5667	- 2	+ .81	+170	1.0	+ 39
5678	- 4	+ .71	+116	1.0	- 51
5803	+ 7	- .91	+ 10	0.7	- 24
5805	+ 9	- .92	+ 12	1.0	- 19
5806	+ 3	- .92	0	0.8	- 41
5811	- 4	- .94	0	0.8	- 36
6028	+ 2	+ .84	- 68	0.8	- 34
6036	0	+ .77	- 99	0.7	- 86
6038	- 2	+ .77	- 89	1.0	- 64
6175	+ 9	- .94	-168	1.0	+ 26
6398	0	+ .81	-202	0.8	+ 98
6412	+ 5	+ .66	-256	1.0	+ 11
6413	+ 5	+ .66	-255	1.0	+ 15
6537	+ 3	- .93	-384	1.0	0
6539	0	- .94	-384	1.0	- 4
6544	+ 6	- .95	-368	0.7	+ 23

(553) BS 5450 14h 30m.8 -45° 42'

J.D.	h	P	m	p	v
	min				
5071	- 3	- .88	+ 15	1.0	+".011
5437	- 2	- .88	- 17	0.8	- 38
5445	- 6	- .93	0	1.0	- 6
5655	0	+ .92	+ 4	0.8	- 23
5662	+ 3	+ .88	+ 49	1.0	+ 62
5670	0	+ .82	+ 17	1.0	+ 2
5806	0	- .91	- 13	1.0	- 21
6036	- 5	+ .82	- 4	0.7	- 23
6039	0	+ .80	+ 6	0.8	- 4
6048	- 3	+ .71	0	0.8	- 15
6175	+ 7	- .92	- 22	1.0	- 24
6180	- 6	- .94	+ 29	1.0	+ 71
6386	- 2	+ .91	+ 16	0.8	+ 23
6398	- 3	+ .84	0	1.0	- 8
6407	0	+ .77	- 8	0.8	- 23
6411	+ 4	+ .73	0	1.0	- 8
6537	+ 8	- .91	- 11	1.0	+ 8
6540	- 3	- .92	- 23	1.0	- 15
6543	0	- .94	- 20	0.7	- 9
6546	+ 2	- .95	- 8	0.8	+ 13

(554) γ Libr 15h 29m.9 -14° 27'

J.D.	h	P	m	p	v
	min				
4587	+ 5	+ .86	+ 58	1.0	+ ".088
4588	- 9	+ .85	+ 11	0.8	- 1
4593	0	+ .82	- 5	0.8	- 32
4594	+ 2	+ .80	- 36	1.0	- 90
4725	+ 2	- .93	- 21	1.0	- 28
4733	+ 5	- .96	+ 8	0.8	+ 28
4738	+ 7	- .97	- 19	1.0	- 24
4739	+ 7	- .97	+ 10	1.0	+ 30
4947	+ 3	+ .89	+ 31	1.0	- 39
4951	+ 3	+ .88	+ 34	1.0	- 35
4953	+ 2	+ .85	+ 101	1.0	+ 92
5082	+ 3	- .88	+ 33	1.0	0
5105	+ 16	- .98	+ 69	0.8	+ 67
5325	+ 5	+ .80	+ 95	1.0	+ 6
5327	+ 4	+ .78	+ 84	1.0	- 15
5458	+ 5	- .94	+ 56	1.0	- 33
5461	+ 5	- .95	+ 65	0.8	- 15
5465	0	- .96	+ 68	1.0	- 9
5678	+ 5	+ .89	+ 113	1.0	- 36
5687	+ 5	+ .83	+ 161	1.0	+ 54

(555) 36 Serp 15h 46m.1 -2° 47'

J.D.	h	P	m	p	v
	min				
5688	- 2	+ .86	+ 39	1.0	- ".038
5689	+ 2	+ .85	+ 46	0.8	- 24
5697	0	+ .78	+ 100	1.0	+ 77
5700	- 7	+ .74	+ 58	1.0	- 2
5822	+ 4	- .91	+ 4	0.8	- 36
5833	+ 5	- .96	0	1.0	- 43
5835	+ 7	- .97	+ 18	1.0	- 9
5836	+ 6	- .98	+ 32	1.0	+ 17
6039	- 2	+ .94	+ 35	1.0	+ 17
6042	0	+ .92	+ 8	1.0	- 34
6049	+ 4	+ .89	+ 40	1.0	+ 26
6052	0	+ .87	+ 37	1.0	+ 21
6188	+ 10	- .92	- 10	0.8	+ 4
6190	+ 3	- .93	0	0.7	+ 23
6195	+ 7	- .96	0	1.0	+ 23
6197	+ 7	- .96	+ 9	0.8	+ 39
6410	+ 8	+ .91	- 37	0.8	- 49
6411	+ 9	+ .90	- 22	1.0	- 21
6415	+ 4	+ .88	0	1.0	+ 21
6422	+ 7	+ .83	- 16	1.0	- 9

(556) BS 6077 16h 13m.2 -30° 40'

J.D.	h	P	m	p	v
	min				
4731	+ 8	- .91	- 123	1.0	- ".028
4734	+ 4	- .93	- 114	1.0	- 11
4744	- 6	- .97	- 100	1.0	+ 15
5347	- 5	+ .70	- 14	0.8	+ 2
5348	- 7	+ .68	- 39	1.0	- 45
5678	0	+ .96	+ 45	1.0	+ 36
5688	0	+ .91	+ 59	0.8	+ 62
5694	0	+ .87	+ 28	1.0	+ 4
5696	- 7	+ .85	+ 50	1.0	+ 45
5833	+ 2	- .94	+ 53	1.0	+ 66
5836	- 6	- .95	0	1.0	- 34
5839	+ 5	- .97	0	1.0	- 34
5840	- 10	- .97	+ 25	1.0	+ 13
6048	- 5	+ .94	+ 65	0.8	- 6
6057	- 3	+ .88	+ 65	1.0	- 6
6062	- 10	+ .84	+ 50	0.8	- 34
6429	+ 6	+ .84	+ 104	1.0	- 11
6433	+ 3	+ .80	+ 80	0.8	- 56
6552	0	- .86	+ 126	1.0	+ 47
6555	+ 5	- .89	+ 55	0.6	- 86
6567	+ 5	- .96	+ 117	0.8	+ 30

(557) BS 6196 16h 35m.8 -17° 33'

J.D.	h	P	m	p	v
	min				
4594	+ 5	+ .94	+ 40	0.8	+ ".015
4600	+ 2	+ .90	+ 58	1.0	+ 49
4604	0	+ .87	+ 63	0.7	+ 58
4611	- 2	+ .81	+ 12	1.0	- 38
4727	0	- .83	- 75	0.8	- 86
4730	+ 3	- .85	- 18	1.0	+ 21
4735	- 2	- .90	- 64	1.0	- 66
4741	0	- .94	- 42	1.0	- 24
4951	- 3	+ .97	- 2	0.7	- 26
4972	0	+ .85	+ 6	0.8	- 11
4977	+ 8	+ .80	+ 27	1.0	+ 28
5092	+ 3	- .83	- 2	0.8	+ 86
5094	+ 2	- .84	- 26	0.8	+ 41
5108	0	- .94	- 41	1.0	+ 13
5112	+ 2	- .97	- 33	0.8	+ 28
5325	+ 5	+ .94	- 3	1.0	+ 8
5336	+ 4	+ .86	+ 17	0.8	+ 45
5337	0	+ .85	- 62	0.8	- 103
5339	+ 3	+ .84	- 22	1.0	- 28

(558) 45 Ophi 17h 21m.0 -29° 47'

J.D.	h	P	m	p	v
	min				
4622	+ 2	+ .83	- 25	1.0	- ".038
4623	+ 5	+ .81	0	0.8	+ 9
4625	+ 6	+ .79	0	1.0	+ 9
4626	+ 3	+ .79	+ 11	0.8	+ 30
4734	+ 2	- .80	- 15	1.0	+ 8
4745	+ 9	- .90	+ 13	0.6	+ 60
4756	0	- .96	- 8	0.6	+ 21
4764	+ 3	- .99	- 37	0.7	- 34
4968	+ 8	+ .96	- 24	0.8	- 47
4981	0	+ .87	+ 4	0.8	+ 6
4990	+ 2	+ .79	0	0.8	- 2
5107	0	- .86	- 9	0.8	+ 11
5124	+ 5	- .97	0	0.8	+ 28
5126	0	- .98	- 21	0.8	- 11
5127	- 3	- .99	- 27	1.0	- 23
5129	+ 2	- .99	- 30	1.0	- 28
5327	0	+ .98	+ 33	0.8	+ 55
5331	+ 4	+ .96	+ 42	0.8	+ 71
5348	+ 2	+ .86	- 24	1.0	- 53
5356	- 2	+ .79	- 5	0.8	- 17

(559) η Pavo 17h 35m.9 -64° 41'

J.D.	h	P	m	p	v
	min				
4744	0	- .86	+ 65	0.8	+ ".058
4758	+ 2	- .95	+ 15	1.0	- 36
4759	- 2	- .96	+ 41	1.0	+ 13
4761	0	- .97	+ 26	0.8	- 15
4976	0	+ .94	+ 65	0.8	+ 43
4981	- 2	+ .91	+ 22	0.8	- 38
4983	- 4	+ .89	+ 47	1.0	+ 9
4991	- 7	+ .83	+ 75	0.8	+ 62
5104	0	- .81	+ 44	0.8	+ 55
5111	- 2	- .87	- 13	1.0	- 53
5117	0	- .92	0	0.8	- 28
5129	0	- .98	- 23	0.8	- 71
5339	+ 9	+ .95	0	0.8	- 41
5340	- 3	+ .95	0	0.8	- 41
5359	+ 4	+ .80	+ 58	1.0	+ 68
5360	+ 2	+ .79	- 17	0.8	- 73
5481	- 6	- .91	- 8	0.8	- 9
5486	- 4	- .94	+ 6	0.8	+ 17
5494	- 3	- .98	+ 32	1.0	+ 66

(560) α Scut 18h 29m.8 −8° 19′

J.D.	h	P	m	p	v
	min				
4611	0	+ .99	+16	0.7	−".008
4619	+ 4	+ .96	−12	1.0	− 60
4633	0	+ .87	+36	1.0	+ 30
4642	0	+ .79	+28	1.0	+ 15
4751	0	− .80	−22	1.0	+ 9
4765	− 2	− .92	+28	0.7	+ 103
4766	+ 4	− .93	−27	0.8	0
4769	0	− .95	−40	0.8	− 24
4981	0	+ .98	0	1.0	− 6
4984	0	+ .96	0	1.0	− 6
4990	+ 2	+ .93	0	0.8	− 6
5116	+ 2	− .80	−72	0.8	− 51
5133	+ 2	− .94	−61	0.6	− 30
5140	0	− .97	−56	0.8	− 21
5144	+ 7	− .99	−35	0.7	+ 19
5348	+ 2	+ .97	+ 6	1.0	+ 43
5350	0	+ .95	+13	0.8	+ 56
5362	0	+ .89	−10	1.0	+ 13
5363	+ 4	+ .88	−55	0.8	− 71

(561) 29 Sgtr 18h 43m.7 −20° 26′

J.D.	h	P	m	p	v
	min				
4643	− 7	+ .81	+58	1.0	+".071
4649	+ 8	+ .75	+72	0.8	+ 98
4651	+ 3	+ .72	−22	1.0	− 79
4653	+ 8	+ .71	−11	1.0	− 58
4764	0	− .89	−14	1.0	− 4
4765	+ 3	− .90	0	1.0	+ 23
4774	− 3	− .95	−57	1.0	− 85
4776	0	− .96	− 6	1.0	+ 11
4984	+ 3	+ .98	0	1.0	− 9
4991	0	+ .94	+30	1.0	+ 47
4996	0	+ .91	0	0.7	− 9
5123	0	− .83	−41	0.8	− 21
5125	0	− .85	−35	0.8	− 9
5137	+ 3	− .94	+65	0.8	+ 179
5144	0	− .97	−85	0.8	− 103
5147	+ 5	− .98	−21	1.0	+ 17
5350	0	+ .97	+ 8	0.8	+ 41
5360	0	+ .92	−35	0.8	− 39
5367	+ 4	+ .87	−30	1.0	− 30
5371	0	+ .84	−23	1.0	− 17

(562) δ CorA 19h 1m.4 −40° 39′

J.D.	h	P	m	p	v
	min				
5501	+ 5	− .90	−58	1.0	−".051
5512	0	− .96	−32	0.8	− 2
5719	+ 3	+ .98	−27	1.0	− 34
5728	0	+ .93	− 8	1.0	+ 2
5730	+ 4	+ .91	−19	0.8	− 19
5734	+ 9	+ .89	+18	1.0	+ 51
5738	− 4	+ .86	0	0.8	+ 17
5869	0	− .92	+35	0.6	+ 81
5878	+ 5	− .96	+18	1.0	+ 49
5883	0	− .98	−12	1.0	− 8
6083	0	+ .98	+10	1.0	− 6
6087	0	+ .96	+10	1.0	− 6
6098	+ 8	+ .90	0	1.0	− 24
6103	+ 5	+ .86	+24	0.7	+ 21
6225	0	− .84	+24	0.8	+ 19
6235	+10	− .93	0	1.0	− 26
6240	+ 5	− .95	−19	1.0	− 62
6245	+ 7	− .97	+35	1.0	+ 39

(563) ν Aqil 19h 21m.4 +0° 8′

J.D.	h	P	m	p	v
	min				
4643	+ 7	+ .89	+35	0.8	+".044
4649	− 3	+ .83	+42	0.7	+ 57
4655	− 4	+ .77	− 7	1.0	− 34
4657	− 7	+ .75	−21	1.0	− 61
4780	+ 2	− .93	+27	1.0	+ 29
4783	− 3	− .94	+21	0.8	+ 17
4789	+ 7	− .97	0	1.0	− 23
4991	+ 3	+ .98	+10	1.0	+ 1
5004	+ 4	+ .92	+23	0.8	+ 24
5133	+ 2	− .83	0	0.7	− 19
5152	+ 4	− .96	+22	1.0	+ 22
5156	+10	− .97	− 5	1.0	− 28
5362	+ 5	+ .95	+22	1.0	+ 29
5369	+ 6	+ .92	−27	0.8	− 64
5375	+ 6	+ .88	+23	0.8	+ 30
5381	− 3	+ .82	+ 7	0.8	0

(564) ν Capr 20h 15m.1 −13° 4′

J.D.	h	P	m	p	v
	min				
5025	0	+ .85	+ 6	0.8	−".015
5031	− 3	+ .80	+24	0.8	+ 19
5390	− 3	+ .85	+13	0.8	+ 15
5508	+ 3	− .78	−18	0.8	− 6
5518	+ 3	− .87	−24	1.0	− 17
5523	+ 4	− .91	−50	1.0	− 66
5527	0	− .93	− 9	1.0	+ 11
5738	+ 3	+ .95	0	0.8	+ 11
5739	− 4	+ .95	0	1.0	+ 11
5742	0	+ .94	+ 5	1.0	+ 21
5752	− 5	+ .88	0	1.0	+ 11
5885	0	− .88	−41	0.8	− 28
5887	− 2	− .90	0	0.8	+ 49
5893	+ 2	− .93	−21	0.8	+ 9
5896	0	− .94	−11	1.0	+ 28
5899	0	− .95	−16	0.8	+ 19
6098	− 5	+ .97	−46	1.0	− 55
6102	− 4	+ .96	+ 5	0.7	+ 41
6104	− 2	+ .95	−27	0.8	− 19
6110	− 4	+ .92	−27	1.0	− 19

(565) α Micr 20h 43m.7 −34° 9′

J.D.	h	P	m	p	v
	min				
5403	+ 7	+ .79	0	1.0	−".026
5511	+ 5	− .74	0	1.0	− 11
5524	+ 2	− .86	−19	0.8	− 47
5740	+ 5	+ .96	+58	0.8	+ 92
5754	+10	+ .90	− 9	1.0	− 34
5757	0	+ .88	+14	1.0	+ 9
5758	0	+ .87	+11	1.0	+ 4
5887	+10	− .84	+ 9	1.0	+ 23
5906	+ 5	− .94	+23	1.0	+ 49
6106	− 2	+ .96	0	0.8	− 4
6118	− 8	+ .91	− 5	0.7	− 13
6249	+ 9	− .81	−26	1.0	− 32
6256	+ 8	− .86	+10	0.8	+ 36
6265	+ 6	− .92	−31	0.8	− 41
6267	+10	− .93	+ 7	0.8	+ 30
6270	0	− .93	−14	0.8	− 9
6471	+ 2	+ .96	+11	0.7	+ 30
6476	+ 2	+ .94	− 8	0.8	− 6
6482	+ 4	+ .92	−29	1.0	− 45
6488	+ 5	+ .87	0	1.0	+ 9

(566) λ Capr 21h 41m.2 -11°50'

J.D.	h	P	m	p	v
	min				
4656	+ 3	+ .95	+35	1.0	".000
4658	+ 3	+ .95	+56	1.0	+ 39
4661	- 2	+ .94	+42	0.8	+ 13
4683	+ 3	+ .81	+39	1.0	+ 8
4802	+ 5	- .78	0	1.0	- 6
4814	0	- .88	-17	1.0	- 38
5024	+ 6	+ .95	+ 9	1.0	- 51
5035	0	+ .91	+22	1.0	- 26
5164	+ 5	- .76	- 5	1.0	- 17
5177	+ 6	- .86	0	1.0	- 8
5186	+10	- .90	+18	0.7	+ 26
5187	+ 4	- .91	+10	1.0	+ 11
5391	+ 6	+ .95	+64	0.8	+ 47
5404	0	+ .89	+53	1.0	+ 26
5549	+ 3	- .89	+30	1.0	+ 45
5550	+ 6	- .90	+26	1.0	+ 38
5551	+ 2	- .90	-17	1.0	- 43
5762	+ 5	+ .92	+54	0.8	+ 24
5773	0	+ .86	0	0.8	- 77

(567) μ Capr 21h 47m.8 -14°1'

J.D.	h	P	m	p	v
	min				
4663	0	+ .94	+ 7	1.0	+".015
4669	- 2	+ .91	+ 8	0.8	+ 17
4673	- 4	+ .90	- 3	1.0	- 2
4688	0	+ .79	- 18	1.0	- 28
4800	0	- .75	- 36	1.0	+ 6
4808	0	- .82	- 79	0.8	- 73
4813	0	- .86	- 37	1.0	+ 8
5025	+ 2	+ .95	+ 7	1.0	+ 8
5031	+ 2	+ .93	+ 27	0.8	+ 45
5035	0	+ .91	+ 2	1.0	0
5173	+ 4	- .81	- 27	0.8	+ 19
5175	+ 8	- .83	- 4	1.0	+ 64
5176	+ 3	- .84	- 49	1.0	- 21
5179	0	- .86	- 42	1.0	- 6
5389	0	+ .95	- 10	1.0	- 30
5395	+ 6	+ .94	+ 30	0.8	+ 45
5404	+ 7	+ .89	- 6	1.0	- 23
5407	+ 2	+ .87	- 14	0.8	- 36

(568) θ Aqar 22h 11m.6 -8°17'

J.D.	h	P	m	p	v
	min				
4690	+ 4	+ .82	-117	1.0	+".008
4698	+ 4	+ .75	-105	1.0	+ 30
4699	- 4	+ .74	-153	1.0	- 60
4700	0	+ .73	-111	1.0	+ 19
4704	0	+ .69	-119	1.0	+ 4
5178	+ 6	- .80	- 92	1.0	- 34
5547	+ 2	- .83	0	0.8	+ 34
5548	+ 5	- .83	+ 9	1.0	+ 51
5553	+ 3	- .86	- 26	1.0	- 15
5763	+ 6	+ .94	+ 75	0.8	+ 53
5774	+ 4	+ .90	+ 26	0.8	- 39
5777	-10	+ .88	+ 39	0.8	- 15
5904	0	- .76	0	1.0	- 71
5914	+ 3	- .84	+ 33	0.8	- 9
5920	+ 5	- .87	+ 57	0.8	+ 36
5924	0	- .89	+ 51	1.0	+ 24
6129	+ 4	+ .94	+119	1.0	+ 28
6139	+10	+ .90	+108	0.7	+ 8
6142	+ 4	+ .88	+ 84	1.0	- 38
6145	- 2	+ .86	+102	0.8	- 4

(569) 77 Aqar 22h 49m.5 -16°48'

J.D.	h	P	m	p	v
	min				
4682	+ 4	+ .92	+27	1.0	+".008
4683	+ 8	+ .91	+28	0.8	+ 9
4706	+ 6	+ .77	+17	1.0	- 11
4814	+ 5	- .70	+15	0.8	+ 13
5049	+ 7	+ .91	+16	0.8	- 4
5197	+ 4	- .85	+22	0.6	+ 38
5198	+ 5	- .85	+16	0.8	+ 26
5413	+ 3	+ .91	+ 5	1.0	- 15
5432	+ 3	+ .80	+ 7	0.8	- 11
5549	+ 8	- .75	+ 9	0.8	+ 21
5553	+ 8	- .79	-39	0.8	- 70
5561	+ 4	- .84	-16	0.8	- 26
5785	- 9	+ .88	- 9	0.8	- 32
5921	+ 4	- .81	-20	1.0	- 23
5932	+ 6	- .88	+ 8	0.8	+ 30
6137	+ 7	+ .93	+ 6	0.6	+ 6
6153	- 6	+ .87	+42	0.6	+ 73

(570) 98 Aqar 23h 17m.7 -20°39'

J.D.	h	P	m	p	v
	min				
4690	+ 6	+ .91	+144	0.8	+".036
4692	+ 7	+ .91	+149	0.8	+ 45
4696	0	+ .89	+118	1.0	- 13
4697	+ 4	+ .88	+114	0.7	- 21
4829	0	- .77	+ 35	1.0	- 62
4830	0	- .78	+ 78	0.8	+ 19
4834	0	- .82	+ 75	1.0	+ 13
4840	+ 3	- .85	+ 91	1.0	+ 43
5045	+ 2	+ .94	+ 49	1.0	- 8
5056	+ 3	+ .91	+ 40	1.0	- 24
5058	+ 2	+ .90	+ 36	1.0	- 32
5187	+ 3	- .71	0	1.0	+ 8
5195	+ 3	- .78	0	1.0	+ 8
5206	+ 4	- .85	- 5	1.0	- 2
5411	0	+ .93	- 11	1.0	+ 17
5413	- 5	+ .93	- 37	1.0	- 32
5415	+ 4	+ .92	- 26	0.8	- 11
5424	0	+ .90	0	0.7	+ 38
5570	+ 5	- .84	- 77	1.0	+ 8
5571	+ 8	- .85	- 95	0.8	- 26
5789	+ 8	+ .90	- 82	1.0	+ 26

(571) ω² Aqar 23h 37m.5 -15°6'

J.D.	h	P	m	p	v
	min				
4682	- 8	+ .93	- 30	1.0	+".006
4683	- 4	+ .93	- 25	1.0	+ 15
4690	0	+ .92	- 9	1.0	+ 45
4691	- 4	+ .92	- 28	1.0	+ 9
5049	0	+ .93	+ 41	1.0	+ 45
5050	+ 3	+ .93	0	1.0	- 32
5076	+ 3	+ .83	0	0.8	- 32
5077	0	+ .82	- 9	0.8	- 49
5188	+ 3	- .65	- 4	1.0	- 15
5204	0	- .80	+ 10	1.0	+ 11
5207	+ 4	- .83	0	1.0	- 8
5212	+ 8	- .86	0	1.0	- 8
5415	+ 3	+ .93	+ 56	1.0	- 19
5440	0	+ .83	+ 53	0.8	- 24
5570	0	- .81	+ 49	0.8	- 8
5932	+ 7	- .78	+ 95	1.0	- 13
5940	+ 9	- .84	+130	1.0	+ 53
6159	0	+ .90	+161	0.8	- 8
6165	-10	+ .88	+175	1.0	+ 19

No.	Name	α (1900) h m	δ (1900) ° '	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
572	BS 46	0 9.3	- 8 20	26	5.36	Ma	".063	-".015	±".007	±".023	+".052
573	π Tucn	0 16.0	-70 11	12	5.42	B9	.017	+ .007	6	19	- .033
574	20 Ceti	0 47.9	- 1 41	114	4.92	K0	.018	- .008	6	20	- .009
575	γ^2 Forn	2 45.6	-28 22	903	5.39	A0	.058	+ .019	9	31	+ .033
576	ζ Erid	3 11.0	- 9 11	624	4.90	A3	.043	+ .022	8	23	0
577	21 Erid	3 34.1	- 5 57	- 713	6.00	G5	.205	+ .028	5	18	- .024
578	κ Dora	4 42.8	-59 55	376	5.35	A3	.037	+ .019	8	28	+ .008
579	α Leps	5 28.3	-17 54	1166	2.69	F0	.006	- .018	7	27	- .039
580	η Leps	5 51.9	-14 11	1286	3.77	F0	.137	+ .068	9	30	- .044
581	12 Pupp	7 54.8	-23 2	+ 2104	5.22	G5	.008	- .007	6	24	+ .002
582	1 Hyda	8 19.6	- 3 26	2333	5.67	F5	.213	+ .038	8	28	- .197
583	BS 3350	8 24.9	-52 45	1484	5.12	F0	.087	+ .016	5	17	- .041
584	BS 3923	9 50.2	-18 32	2810	5.16	Ma	.047	+ .007	9	32	- .036
585	BS 4063	10 15.9	-54 32	3474	4.58	K0	.018	- .014	7	21	- .001
586	κ Cham	11 59.6	-75 58	777	5.00	K5	.091	- .003	9	32	- .073
587	BS 4682	12 13.7	-54 35	5113	4.98	Ma	.091	+ .005	10	38	- .069
588	BS 4768	12 26.1	-58 52	4344	5.44	F8p	.034	+ .006	5	19	- .002
589	β Corv	12 29.1	-22 51	3401	2.84	G5	.059	+ .047	7	25	+ .037
590	Cin 1633	12 45.6	- 0 13	+ 2989	8.73	Map	.393	+ .098	6	20	- .012
591	38 Virg	12 48.1	- 3 1	+ 3593	6.15	F5	.259	+ .038	6	18	- .234
592	BS 5071	13 23.3	-50 39	7812	5.31	A2	.027	+ .007	6	23	+ .047
593	BS 5174	13 41.1	-35 45	8995	5.24	A0	.023	+ .014	5	19	- .009
594	τ Virg	13 56.6	+ 2 2	2761	4.34	A2	.032	- .001	9	30	+ .090
595	PGC 3751	14 36.2	-32 20	10306	6.78	G5	.207	+ .014	5	18	- .131
596	α^1 Libr	14 45.2	-15 35	3965	5.33	F5	.126	+ .045	6	20	- .088
597	BS 5724	15 18.9	-38 23	10289	4.68	A0	.060	+ .007	5	18	- .051
598	10 Serp	15 23.6	+ 2 11	2965	5.12	A5	.091	+ .024	6	19	- .052
599	BS 5943	15 52.7	-41 27	10478	5.07	G5	.053	+ .016	6	22	- .020
600	BS 6094	16 17.2	-38 58	10983	5.40	G0	.087	+ .052	7	25	+ .074
601	θ TrAu	16 26.1	-65 17	3331	5.38	K0	.067	+ .010	7	26	+ .036
602	σ Ophi	17 21.6	+ 4 14	3422	4.44	K0	.007	+ .017	8	30	- .030
603	ξ Serp	17 31.9	-15 20	4621	3.64	A5	.082	+ .033	6	24	- .031
604	BS 6630	17 43.1	-37 1	11907	3.25	K2	.069	+ .035	9	31	+ .040
605	ι^2 Scor	17 43.2	-40 3	11886	4.88	A2p	.015	- .006	6	23	- .015
606	BS 6675	17 49.5	-44 19	12201	4.98	K0	.028	+ .012	4	16	- .033
607	ε Scut	18 38.1	- 8 22	4686	5.09	G5	.024	+ .004	9	32	+ .022
608	μ CorA	18 40.8	-40 31	12807	5.28	G0	.038	+ .019	5	21	+ .022
609	ψ Sgtr	19 9.4	-25 26	13866	4.93	F5	.055	0	9	30	+ .038
610	BS 7317	19 13.3	-15 43	5310	6.28	K2	.285	+ .036	7	27	- .101
611	μ^2 Pavo	19 52.1	-67 13	3698	5.19	K0	.086	+ .019	7	27	+ .028
612	BS 7987	20 47.2	-40 11	14078	5.42	K2	.109	+ .016	7	23	+ .043
613	1 Equl	20 54.1	+ 3 55	4473	5.29	F5	.191	- .003	9	35	- .103
614	β Equl	21 17.9	+ 6 23	4811	5.14	A0	.057	+ .027	8	27	+ .034
615	BS 8657	22 39.8	-47 4	14320	5.42	K0	.053	- .009	9	30	- .026
616	γ Tucn	23 11.6	-58 47	8062	4.10	F2	.087	+ .037	6	22	- .045
617	κ Pisc	23 21.8	+ 0 42	4998	4.94	A2p	.128	+ .031	6	22	+ .081
618	19 Pisc	23 41.3	+ 2 56	4709	5.30	Na	.053	- .030	10	32	- .026
619	π Phoe	23 53.7	-53 18	10561	5.14	K0	.071	+ .009	6	22	+ .055

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
572	- 52	- 23	.352	- 43	+ 26	.243	+ 66	+ 37	.117	+ 72	- 9	.288	11.1	5944	- .0553
573	- 43	+ 52	.262	- 13	- 59	.248	- 12	+ 48	.234	+ 67	- 40	.256	11.7	5799	- 1863
574	- 59	- 46	.189	- 41	+ 11	.366	+ 58	+ 23	.372	+ 64	- 57	.073	11.5	5944	- 465
575	- 77	- 12	.218	+ 21	- 70	.378	+ 22	+ 72	.404				10.8	5978	+ 569
576	- 40	- 9	.301	- 34	+ 61	.225	+ 37	- 30	.292	+ 48	- 11	.182	12.5	5851	- 92
577	- 65	- 13	.288	- 29	+ 65	.190	+ 42	- 10	.316	+ 54	- 26	.206	11.1	5992	+ 137
578	- 70	- 57	.281	- 14	- 21	.242	+ 41	+ 53	.344	+ 66	+ 20	.133	11.0	6006	- 331
579	- 50	- 54	.140	- 33	+ 11	.388	+ 42	+ 7	.472				9.7	6270	- 867
580	- 58	+ 36	.209	- 13	- 47	.441	+ 29	+ 57	.156	+ 69	+ 21	.194	10.8	4934	+ 1082
581	- 48	- 20	.207	- 37	+ 18	.240	+ 30	- 20	.309	+ 39	+ 24	.244	10.6	5945	- 722
582	- 78	+ 30	.281	- 37	- 45	.290	+ 72	+ 20	.299	+ 84	- 11	.130	11.2	5948	- 289
583	- 63	+ 24	.192	- 29	- 16	.296	+ 37	+ 24	.296	+ 44	- 33	.216	10.2	6077	+ 252
584	- 76	- 24	.165	- 50	+ 56	.347	+ 38	- 7	.223	+ 82	- 53	.265	11.5	5746	- 338
585	- 48	+ 39	.269	- 25	- 50	.212	+ 6	- 51	.256	+ 63	+ 50	.263	9.8	5973	- 852
586	- 68	+ 23	.292	- 44	- 27	.144	+ 45	+ 6	.348	+ 48	- 23	.216	9.8	6141	- 543
587	- 84	- 13	.336	- 52	+ 66	.129	+ 64	- 26	.395	+ 69	+ 43	.140	10.1	5776	+ 431
588	- 48	- 9	.325	+ 13	- 17	.306	+ 31	+ 22	.369				10.7	6005	+ 747
589	- 41	- 36	.384	+ 18	- 15	.235	+ 30	+ 46	.381				11.1	6149	- 255
590	- 68	+ 7	.241	+ 7	- 54	.300	+ 22	+ 52	.210	+ 38	+ 14	.249	12.1	6156	- 73
591	- 40	+ 41	.265	- 3	- 36	.300	+ 23	+ 59	.195	+ 29	- 49	.240	12.6	6152	*
592	- 58	- 23	.245	- 26	+ 62	.164	+ 29	- 58	.316	+ 34	+ 51	.275	10.9	6160	- 502
593	- 28	0	.410	- 1	- 52	.269	+ 37	+ 43	.321				10.8	5796	+ 417
594	- 72	- 4	.451	+ 52	- 19	.343	+ 71	+ 40	.206				11.9	5309	- 170
595	- 44	+ 26	.254	- 24	- 2	.281	+ 3	- 39	.196	+ 64	+ 6	.269	10.8	6039	+ 70
596	- 86	+ 52	.183	- 30	- 20	.348	+ 55	- 47	.262	+ 57	+ 47	.207	11.0	6178	- 161
597	- 27	- 32	.210	- 26	+ 53	.196	- 5	- 33	.283	+ 39	+ 18	.311	10.7	5084	- 1699
598	- 80	- 30	.252	- 14	- 31	.264	+ 38	+ 32	.311	+ 70	+ 34	.173	11.8	6193	- 294
599	- 40	- 1	.253	- 23	0	.249	+ 2	- 34	.247	+ 61	+ 34	.251	12.2	6046	- 66
600	- 80	- 8	.282	- 17	- 45	.205	+ 48	+ 58	.310	+ 55	- 31	.203	12.3	6055	- 1050
601	- 42	+ 54	.254	- 29	- 39	.248	+ 26	- 10	.248	+ 46	- 6	.250	10.9	6059	- 79
602	- 87	- 16	.274	- 35	- 4	.193	+ 51	+ 39	.217	+ 62	- 10	.316	10.8	4980	- 200
603	- 60	+ 4	.344	+ 3	- 46	.267	+ 33	+ 68	.150	+ 62	+ 2	.239	11.3	4973	- 213
604	- 34	+ 60	.251	- 17	- 28	.237	+ 11	- 55	.247	+ 37	+ 20	.265	10.3	4977	+ 823
605	- 44	+ 28	.260	+ 6	- 7	.220	+ 16	- 44	.327	+ 26	+ 44	.193	10.5	6065	- 682
606	- 40	+ 5	.254	- 6	- 26	.251	- 2	- 16	.251	+ 50	+ 37	.244	10.4	5853	- 445
607	- 96	- 47	.189	- 88	+ 43	.152	+ 40	- 13	.378	+ 59	+ 26	.281	9.7	5723	+ 1839
608	- 31	- 24	.333	- 23	+ 50	.220	+ 25	- 23	.338	+ 63	+ 45	.109	10.8	5865	+ 322
609	- 45	- 16	.457	- 13	- 52	.215	+ 71	+ 57	.328				10.4	4992	- 522
610	- 67	- 16	.328	- 2	- 42	.328	+ 66	+ 56	.344				10.6	4992	+ 132
611	- 50	+ 64	.154	- 4	- 37	.299	+ 12	- 36	.296	+ 21	+ 47	.251	10.4	6101	+ 862
612	- 55	+ 23	.244	- 7	- 40	.270	+ 2	- 47	.164	+ 46	+ 40	.322	11.5	5899	- 244
613	- 66	- 6	.161	- 33	+ 16	.413	+ 3	- 15	.140	+ 84	- 12	.286	11.0	6112	+ 360
614	- 74	+ 31	.287	+ 3	- 46	.375	+ 60	+ 25	.338				10.8	5901	- 323
615	- 47	- 46	.450	- 38	+ 21	.104	+ 56	+ 41	.446				10.4	5918	- 644
616	- 76	- 54	.269	- 43	+ 52	.219	+ 28	- 12	.184	+ 75	+ 16	.328	10.8	5410	+ 5
617	- 49	- 5	.340	- 16	- 6	.157	+ 32	+ 12	.386	+ 58	- 18	.117	11.3	5561	- 555
618	- 67	+ 54	.243	- 40	- 41	.233	+ 28	+ 51	.269	+ 72	- 68	.255	10.6	5208	+ 1015
619	- 71	+ 33	.303	- 31	- 54	.214	+ 48	+ 21	.214	+ 67	- 10	.269	10.0	6302	+ 25

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
572	18.1	+ 0.79	266.3	+2.47	- 1.34	13.05	12.70	- .0259	+ .2001	- .0150	- .00135	+ .00075	- .00082
573	16.3	- 8.80	564.7	-0.13	- 8.60	11.08	10.95	- 200	- 2592	+ 82	- 148	- 48	+ 35
574	16.3	-16.37	891.4	+2.48	-11.02	11.86	11.40	- 89	- 997	- 55	- 61	- 13	- 45
575	16.8	+ 2.04	219.2	+2.40	- 3.32	12.22	11.82	+ 216	+ 1039	+ 132	+ 108	+ 48	+ 100
576	13.5	+ 9.18	212.0	+2.30	- 0.37	9.39	8.98	- 13	- 40	+ 102	- 30	0	+ 116
577	17.5	- 2.57	237.2	+1.79	- 2.41	13.09	12.89	+ 196	- 878	+ 220	+ 91	- 35	+ 149
578	16.5	+ 0.90	201.2	-0.18	- 0.21	12.76	12.76	- 225	+ 206	+ 129	- 136	+ 11	+ 100
579	21.8	-14.48	296.7	-1.51	+ 5.25	16.31	16.15	+ 147	- 1770	- 189	+ 23	- 57	- 95
580	18.3	+12.37	109.0	-1.64	- 3.71	12.54	12.32	- 426	- 1027	+ 506	- 157	- 64	+ 364
581	20.2	-10.19	251.6	-2.75	+ 4.02	14.98	14.58	- 192	+ 153	- 27	- 99	+ 3	- 37
582	16.9	-33.66	988.3	-4.63	+28.06	12.90	11.25	+ 289	-2.6620	- 385	- 345	- 287	+ 202
583	18.1	+46.30	448.6	-2.82	- 5.40	13.00	12.55	+ 4	- 1967	+ 93	+ 171	- 60	+ 84
584	20.7	+ 3.07	645.1	-3.73	+16.62	13.83	12.70	+ 38	- 3296	- 46	+ 33	- 52	+ 39
585	17.5	-28.78	821.3	-3.34	+34.55	12.24	10.51	+ 188	- 614	- 128	+ 91	- 1	- 76
586	17.2	+13.46	504.5	-2.31	+ 7.32	11.73	11.25	+ 316	- 5018	- 155	+ 265	- 106	- 14
587	20.6	+12.72	795.3	-2.89	+21.05	14.93	13.87	+ 26	- 7837	- 194	+ 79	- 101	+ 27
588	18.6	+ 5.14	327.9	+0.77	- 0.12	12.77	12.74	+ 64	- 85	+ 45	+ 34	- 3	+ 33
589	19.4	-36.23	951.0	-0.25	+36.29	13.30	11.85	+ 495	+ 4739	+ 519	+ 359	+ 54	+ 249
590	14.5	- 0.56	468.6	-1.62	+12.57	10.35	9.84	+ 125	- 179	+ 494	+ 144	- 18	+ 521
591	15.0	-29.87	1019.5	-3.45	+21.90	10.24	9.22	- 71	+ 498	+ 206	0	+ 341	+ 200
592	17.6	+19.95	367.4	+0.02	- 6.92	13.38	13.24	+ 427	+ 2824	- 1	+ 165	+ 69	+ 35
593	19.5	+37.37	390.3	+0.31	- 2.38	14.93	14.89	- 44	- 501	+ 114	0	- 12	+ 75
594	15.5	-10.02	215.6	+0.63	+13.46	11.14	10.20	+ 7	+ 2725	+ 175	+ 89	+ 131	- 6
595	18.6	- 6.82	231.6	-1.01	- 0.54	13.84	13.78	+ 84	- 4420	+ 116	- 20	- 191	+ 75
596	16.8	- 8.93	598.8	+0.13	+ 7.73	11.05	10.95	+ 483	- 7668	+ 172	+ 218	- 128	+ 242
597	16.6	- 4.80	194.2	-0.04	- 3.89	12.79	12.71	+ 152	- 1498	+ 77	+ 70	- 75	+ 38
598	16.7	- 5.21	277.3	+0.57	+ 9.96	12.47	12.08	+ 94	- 1993	+ 86	+ 28	- 76	+ 128
599	15.9	-14.69	172.5	+1.26	+ 7.60	13.36	12.78	- 162	- 240	+ 78	- 136	- 29	+ 88
600	14.5	- 6.77	161.1	+0.59	- 1.07	11.99	11.97	+ 215	+ 1588	+ 331	+ 188	+ 108	+ 276
601	16.4	- 2.80	164.1	+0.43	- 8.36	13.91	13.48	+ 133	+ 803	+ 31	+ 89	+ 53	+ 51
602	17.0	- 2.72	115.6	+1.54	+ 1.74	13.56	13.39	+ 196	- 513	+ 129	+ 100	- 43	+ 89
603	17.1	- 0.77	116.3	+1.48	+ 3.50	13.84	13.60	+ 102	- 472	+ 235	+ 42	- 46	+ 177
604	16.2	+ 0.75	113.4	+1.94	+ 7.04	13.18	12.52	+ 17	+ 794	+ 282	- 14	+ 59	+ 185
605	18.2	- 0.15	135.3	+1.42	- 3.62	15.57	15.36	+ 19	- 286	- 39	+ 13	- 22	- 31
606	17.2	+ 3.70	102.8	-1.88	+ 1.13	15.72	15.50	+ 86	- 462	+ 80	+ 67	- 48	+ 62
607	16.1	- 0.95	160.3	+2.50	+ 7.47	13.66	12.91	- 98	+ 533	+ 35	- 62	+ 32	+ 19
608	20.1	+17.82	317.4	-1.59	- 5.36	17.32	17.14	- 19	+ 915	+ 159	- 30	+ 32	+ 99
609	14.3	- 6.02	114.2	+3.03	+ 2.40	12.45	11.69	+ 124	+ 566	+ 49	+ 109	+ 55	+ 3
610	16.1	- 0.98	123.1	+3.34	+ 1.52	13.33	12.62	+ 79	- 1779	+ 231	0	- 147	+ 191
611	20.2	+ 6.31	582.4	+1.61	- 3.00	16.46	16.31	+ 336	+ 2444	+ 181	+ 145	+ 41	+ 103
612	14.4	+13.88	217.0	+1.75	+ 5.63	11.62	11.33	+ 47	+ 1346	+ 126	- 38	+ 62	+ 83
613	19.5	- 2.62	543.9	-0.10	- 3.94	15.37	15.34	+ 392	- 8209	+ 32	+ 181	- 150	- 16
614	17.7	+18.46	258.1	+3.56	+ 4.43	13.70	12.98	+ 213	+ 1406	+ 237	+ 40	+ 49	+ 146
615	15.7	+11.53	212.5	-0.03	+ 1.76	11.26	11.25	- 99	- 851	- 59	- 36	- 38	- 47
616	18.1	+ 2.99	503.2	+1.02	-14.77	12.33	11.82	+ 506	- 3471	+ 365	+ 279	- 65	+ 196
617	19.6	+14.97	812.8	+0.74	-15.05	13.50	13.17	+ 40	+ 9171	+ 42	- 760	+ 117	+ 166
618	16.0	+ 4.19	204.4	+1.12	+ 6.58	11.11	10.84	+ 119	- 823	- 189	+ 96	- 37	- 158
619	18.1	+17.27	362.9	+1.04	+ 5.89	12.95	12.82	+ 44	+ 2816	+ 106	- 54	+ 79	+ 50

(572) BS 46 $0^h 9^m.3$ $-8°20'$

J.D.	h	P	m	p	v
	min				
5084	0	+ .84	-97	0.7	-".023
5217	+ 3	- .83	-68	0.8	- 13
5439	+ 3	+ .90	-70	1.0	- 21
5567	0	- .71	0	0.7	+ 68
5583	+ 7	- .83	-35	0.8	+ 2
5790	+ 4	+ .93	0	0.8	+ 60
5794	+ 4	+ .93	-60	1.0	- 53
5798	+ 5	+ .92	-28	1.0	+ 8
5804	- 2	+ .90	-35	1.0	- 6
5941	+ 5	- .78	+15	0.8	+ 39
5943	+ 8	- .81	+24	0.8	+ 56
5950	+ 5	- .85	- 7	0.7	- 2
6158	- 3	+ .93	+ 5	0.8	+ 19
6165	+ 2	+ .91	-11	1.0	- 11
6167	- 7	+ .90	-16	0.8	- 21
6298	+ 2	- .71	0	1.0	- 36
6299	+ 5	- .72	-11	1.0	- 56
6300	+ 6	- .73	+19	1.0	0
6308	+ 5	- .80	0	0.7	- 36
6518	0	+ .93	+41	0.7	+ 32
6540	+ 7	+ .87	+39	1.0	+ 28

(573) π Tucn $0^h 16^m.0$ $-70°11'$

J.D.	h	P	m	p	v
	min				
4727	- 2	+ .78	+64	0.8	+".047
4730	0	+ .76	+19	0.7	- 38
4734	+ 6	+ .72	+ 8	0.7	- 58
4735	+ 7	+ .72	+70	0.7	+ 58
5215	- 2	- .82	0	1.0	- 19
5571	+ 4	- .73	0	0.8	+ 15
5581	+10	- .81	- 3	0.8	+ 9
5582	0	- .82	0	0.8	+ 15
5583	+ 6	- .83	-23	0.7	- 28
5794	+ 5	+ .93	- 6	0.7	+ 11
5804	+ 5	+ .90	-26	0.8	- 26
5941	+ 6	- .77	-18	1.0	+ 13
5950	+ 9	- .83	-20	0.7	+ 9
6165	+ 5	+ .92	-23	0.8	+ 13
6166	- 4	+ .91	-42	0.8	- 23
6299	+ 6	- .71	-63	1.0	- 39
6305	- 3	- .76	-36	1.0	+ 11
6309	+ 7	- .79	-27	0.8	+ 28
6522	+ 4	+ .93	-31	0.7	+ 28
6523	+ 3	+ .94	-49	1.0	- 6

(574) 20 Ceti $0^h 47^m.9$ $-1°41'$

J.D.	h	P	m	p	v
	min				
4714	0	+ .92	+11	0.6	+".009
4715	+ 5	+ .91	+ 6	1.0	0
4716	- 3	+ .91	-14	1.0	- 38
4724	- 2	+ .88	+26	0.8	+ 38
5217	+ 2	- .76	0	0.8	- 11
5221	+ 2	- .79	+36	0.8	+ 56
5586	+10	- .79	0	0.8	- 6
5813	+10	+ .91	-27	0.8	- 36
5941	+10	- .70	-20	1.0	- 30
5943	+10	- .71	+ 7	0.8	+ 21
5948	+10	- .76	-17	0.7	- 24
6167	+ 5	+ .93	0	0.7	+ 24
6176	+ 2	+ .92	0	0.8	+ 24
6313	+ 3	- .76	- 5	1.0	+ 4
6321	+ 4	- .82	-21	0.7	- 26
6538	+ 4	+ .93	-49	0.7	- 58
6540	+ 5	+ .92	-10	0.8	+ 15
6685	+ 9	- .82	0	0.8	+ 21
6898	+ 5	+ .93	0	1.0	+ 41
6903	0	+ .92	-38	0.7	- 30

(575) γ^2 Forn $2^h 45^m.6$ $-28°22'$

J.D.	h	P	m	p	v
	min				
5473	0	+ .96	0	1.0	+".006
5489	0	+ .88	-17	1.0	- 26
5506	+ 6	+ .73	+53	0.7	+ 105
5613	0	- .78	- 8	0.8	+ 11
5615	0	- .80	-35	0.8	- 39
5621	+ 8	- .85	-10	0.8	+ 8
5836	+ 2	+ .97	0	0.8	- 26
5850	+ 5	+ .91	+17	1.0	+ 6
5853	+ 4	+ .89	-13	1.0	- 51
5972	0	- .72	+27	1.0	+ 45
5985	+ 3	- .84	+15	0.7	+ 23
6193	0	+ .97	+20	0.8	- 21
6211	+ 2	+ .93	0	1.0	- 58
6333	+ 2	- .68	-12	0.8	- 62
6337	+ 5	- .72	+36	0.8	+ 28
6340	0	- .75	-15	1.0	- 68
6345	+ 5	- .80	+45	1.0	+ 45
6561	+ 6	+ .97	+63	0.8	+ 26
6572	+ 7	+ .95	+82	1.0	+ 62

(576) ζ Erid $3^h 11^m.0$ $-9°11'$

J.D.	h	P	m	p	v
	min				
5147	0	+ .74	-29	0.6	-".066
5497	0	+ .88	0	1.0	- 11
5507	- 2	+ .80	+13	0.7	+ 13
5509	+ 5	+ .78	+30	0.8	+ 45
5613	0	- .73	- 3	0.7	+ 17
5615	0	- .75	-14	0.6	- 4
5616	- 3	- .77	-21	0.8	- 17
5849	+ 3	+ .95	0	1.0	- 15
5853	+ 3	+ .94	+44	0.6	+ 68
5979	+ 3	- .74	-12	1.0	0
5984	+ 4	- .79	+11	1.0	+ 43
6204	+ 3	+ .97	-26	0.8	- 64
6211	+ 3	+ .96	+32	0.7	+ 45
6344	+ 5	- .74	-29	0.8	- 34
6345	- 7	- .75	-18	1.0	- 13
6573	+ 3	+ .97	+20	0.6	+ 24
6587	0	+ .92	0	0.8	- 13

(577) 21 Erid $3^h 34^m.1$ $-5°57'$

J.D.	h	P	m	p	v
	min				
5477	- 4	+ .98	+47	0.8	+".013
5497	- 7	+ .93	+42	0.8	+ 4
5501	+ 3	+ .90	+29	0.8	- 21
5507	- 4	+ .85	+38	0.8	- 4
5612	+10	- .66	+40	0.8	+ 55
5616	+ 2	- .71	+27	1.0	+ 30
5621	- 2	- .76	0	0.8	- 21
5849	0	+ .98	+18	1.0	- 19
5854	- 5	+ .96	+23	1.0	- 9
5985	- 2	- .74	0	0.8	+ 6
5990	+ 2	- .80	-25	0.7	- 41
5996	+ 3	- .85	-36	0.8	- 62
5997	+ 4	- .85	+ 4	1.0	+ 13
6211	+ 5	+ .98	+17	0.7	+ 2
6213	0	+ .98	+34	0.7	+ 34
6344	0	- .68	0	1.0	+ 26
6345	- 7	- .70	-27	1.0	- 24
6363	+ 4	- .86	-10	0.8	+ 8
6572	- 6	+ .98	+ 6	0.8	+ 4
6573	0	+ .98	+19	0.7	+ 28
6578	- 4	+ .98	- 9	0.7	- 24

(578) κ Dora $4^h 42^m.8$ $-59°55'$

J.D.	h	P	m	p	v
	min				
5507	+ 2	+ .97	0	0.6	+".019
5518	− 4	+ .91	0	0.8	+ 19
5523	+ 4	+ .87	−40	0.7	− 56
5524	+ 5	+ .86	0	0.7	+ 19
5646	+ 4	− .86	+15	1.0	+ 79
5652	+ 5	− .91	−19	0.7	+ 15
5654	+ 9	− .92	−42	0.8	− 28
5877	+ 6	+ .95	−43	1.0	− 71
6001	0	− .77	+11	0.8	+ 60
6004	− 5	− .79	−38	0.8	− 32
6007	+ 2	− .83	−26	1.0	− 9
6014	+ 2	− .88	−46	0.8	− 47
6236	0	+ .98	0	1.0	+ 4
6242	+ 4	+ .95	+21	0.7	+ 43
6244	+ 4	+ .94	0	0.7	+ 4
6363	+ 3	− .73	0	1.0	+ 34
6365	+ 7	− .75	−52	1.0	− 64
6371	+ 2	− .81	−25	1.0	− 13
6596	− 2	+ .99	+18	0.7	+ 28
6600	+ 5	+ .98	+16	0.7	+ 24

(579) α Leps $5^h 28^m.3$ $-17°54'$

J.D.	h	P	m	p	v
	min				
5652	0	− .83	+ 81	1.0	+".068
5654	+ 2	− .85	+ 46	1.0	+ 2
5658	0	− .88	+ 87	0.8	+ 79
5886	+ 3	+ .95	+ 15	1.0	0
5892	+ 7	+ .93	0	1.0	− 28
5903	+ 9	+ .84	+ 17	1.0	+ 4
5910	0	+ .77	− 17	1.0	− 60
6004	0	− .69	− 10	1.0	− 64
6028	+ 2	− .92	+ 23	1.0	− 2
6030	0	− .93	+ 25	1.0	+ 2
6031	+ 3	− .93	+ 6	1.0	− 34
6265	+ 4	+ .87	− 22	1.0	− 32
6270	0	+ .82	0	1.0	+ 9
6276	+ 2	+ .76	0	1.0	+ 9
6382	− 6	− .82	− 6	1.0	− 17
6387	− 2	− .86	+ 9	1.0	+ 11
6619	0	+ .95	− 33	1.0	− 11
6628	+ 2	+ .89	− 10	1.0	+ 32
6629	0	+ .88	+ 12	1.0	+ 73
6743	+ 9	− .79	− 13	1.0	+ 8
6760	− 5	− .92	− 46	1.0	− 55
6761	− 2	− .93	0	1.0	+ 32

(580) η Leps $5^h 51^m.9$ $-14°11'$

J.D.	h	P	m	p	v
	min				
4559	+ 9	− .81	− 5	0.8	+".036
4574	+10	− .93	0	1.0	+ 45
4795	+ 2	+ .96	+ 7	1.0	− 26
4796	0	+ .95	+39	1.0	+ 34
4821	− 2	+ .75	+33	0.7	+ 23
4829	+ 2	+ .66	+44	1.0	+ 43
4830	− 6	+ .64	−22	1.0	− 81
4919	− 3	− .75	−71	1.0	− 45
4928	0	− .85	−62	0.8	− 28
4944	+ 3	− .96	−75	1.0	− 53
4945	+ 9	− .96	−57	1.0	− 19
5178	− 2	+ .84	0	1.0	+ 9
5186	0	+ .76	+20	1.0	+ 47
5187	+ 3	+ .74	−30	1.0	− 47
5193	+ 5	+ .67	0	1.0	+ 9
5285	+ 4	− .75	−25	1.0	+ 85
5292	0	− .83	−74	1.0	− 8
5305	+ 2	− .94	−69	1.0	+ 2
5306	+ 2	− .94	−82	1.0	− 23

(581) 12 Pupp $7^h 54^m.8$ $-23°2'$

J.D.	h	P	m	p	v
	min				
5348	+ 4	− .98	0	1.0	+".015
5350	+ 3	− .98	−21	1.0	− 24
5576	+ 7	+ .78	0	1.0	+ 26
5582	+ 3	+ .72	− 7	1.0	+ 13
5583	0	+ .71	−35	1.0	− 39
5584	0	+ .69	− 8	1.0	+ 11
5696	+ 5	− .90	−14	1.0	− 11
5705	+ 4	− .96	0	1.0	+ 15
5706	+ 3	− .96	+17	1.0	+ 47
5708	+ 2	− .97	−30	1.0	− 41
5940	+ 9	+ .79	+12	1.0	+ 47
5947	0	+ .72	−48	0.8	− 66
5949	+ 5	+ .69	−28	1.0	− 28
6076	+ 5	− .98	+ 9	1.0	+ 28
6078	− 2	− .98	+ 6	0.8	+ 23
6297	− 4	+ .86	−13	1.0	− 2
6300	0	+ .84	+21	1.0	+ 62
6309	− 6	+ .75	−34	0.8	− 41
6417	+ 4	− .83	− 7	1.0	− 2
6421	− 3	− .86	0	1.0	+ 11
6449	+ 6	− .98	−35	0.8	− 55

(582) 1 Hyda $8^h 19^m.6$ $-3°26'$

J.D.	h	P	m	p	v
	min				
4604	+ 6	− .88	+324	1.0	−".009
4611	+ 3	− .93	+334	0.8	+ 9
4622	+ 4	− .96	+355	1.0	+ 49
4623	− 5	− .97	+320	1.0	− 17
5576	0	+ .83	+117	0.8	+ 56
5581	0	+ .78	+108	0.7	+ 39
5582	0	+ .78	+112	0.8	+ 47
5586	0	+ .72	+ 83	1.0	− 8
5704	+ 8	− .91	+ 7	1.0	− 15
5708	+ 4	− .94	0	1.0	− 28
5714	− 3	− .96	− 15	0.8	− 56
5947	+ 7	+ .78	− 54	0.7	− 64
5949	− 2	+ .75	− 56	0.8	− 68
6312	+ 3	+ .78	−155	0.8	− 60
6434	+ 4	− .90	−210	1.0	− 26
6452	+ 6	− .98	−163	0.7	+ 62
6684	+ 2	+ .70	−209	1.0	+ 41
6802	+ 6	− .93	−284	1.0	+ 26
6803	+ 5	− .93	−290	1.0	+ 15

(583) BS 3350 $8^h 24^m.9$ $-52°45'$

J.D.	h	P	m	p	v
	min				
5360	− 2	− .98	+44	0.7	−".015
5598	0	+ .60	+39	1.0	− 23
5697	+ 4	− .85	+50	1.0	+ 32
5947	+ 9	+ .79	+31	0.8	+ 2
5961	+13	+ .62	0	0.7	− 56
6076	− 2	− .94	+20	1.0	+ 21
6077	0	− .95	+26	0.8	+ 32
6078	+ 3	− .95	+18	0.7	+ 17
6312	+ 5	+ .79	0	1.0	− 19
6313	+ 3	+ .78	+20	1.0	+ 19
6438	+ 4	− .93	−12	1.0	+ 2
6449	+ 4	− .97	−38	0.8	− 47
6673	+ 5	+ .82	0	1.0	+ 26
6678	+ 5	+ .78	−16	1.0	− 4
6683	+ 8	+ .72	−10	1.0	+ 8
6689	+ 5	+ .65	0	1.0	+ 26
6802	+ 9	− .92	−46	1.0	− 21
6804	+ 3	− .93	−31	1.0	+ 8
6810	+ 4	− .96	−36	0.8	− 2
6813	+ 7	− .97	−51	0.8	− 30

(584) BS 3923 $9^h 50^m.2$ $-18°32'$

J.D.	h	P	m	p	v
	min				
4653	+ 8	- .95	+ 20	0.8	-".068
4655	+ 6	- .95	+ 57	I.0	+ 2
4656	+ 6	- .95	+ 93	I.0	+ 70
5249	+ 2	+ .63	+ 42	I.0	+ 21
5375	+ 7	- .95	0	0.8	- 34
5613	+ 4	+ .64	+ 52	I.0	+ 75
5614	+ 8	+ .63	- 9	I.0	- 39
5615	+ 6	+ .62	0	I.0	- 23
5616	- 3	+ .61	+ 15	I.0	+ 6
5742	+ 7	- .95	- 53	I.0	- 98
5746	0	- .95	+ 39	I.0	+ 75
5750	+ 6	- .95	+ 18	0.8	+ 36
5972	+ 9	+ .72	- 27	I.0	- 39
5973	+ 8	+ .71	- 38	I.0	- 60
6104	+ 4	- .94	- 10	I.0	+ 19
6107	0	- .94	- 12	0.8	+ 15
6332	+ 4	+ .77	- 6	I.0	+ 36
6338	0	+ .72	- 9	I.0	+ 30
6345	+ 8	+ .63	- 22	0.7	+ 6
6449	+ 4	- .82	- 37	I.0	0
6459	+ 4	- .90	- 50	0.8	- 24
6460	+ 9	- .90	- 36	I.0	+ 2

(585) BS 4063 $10^h 15^m.9$ $-54°32'$

J.D.	h	P	m	p	v
	min				
4636	0	- .86	0	0.8	-".032
4654	0	- .94	0	I.0	- 32
4655	+ 2	- .94	+ 19	I.0	+ 4
4657	0	- .94	+ 42	I.0	+ 47
5615	+ 5	+ .70	+ 15	I.0	+ 21
5623	0	+ .60	+ 28	0.8	+ 45
5746	+ 3	- .94	+ 31	I.0	+ 28
5972	0	+ .78	- 24	I.0	- 51
5973	0	+ .76	0	I.0	- 6
5974	- 3	+ .76	0	I.0	- 6
6102	0	- .90	- 13	0.8	- 55
6106	- 6	- .92	+ 14	0.7	- 4
6337	0	+ .78	- 14	I.0	- 34
6344	0	+ .71	+ 5	I.0	+ 2
6353	- 5	+ .61	+ 26	I.0	+ 41
6469	0	- .90	+ 30	0.8	+ 28
6471	0	- .92	+ 28	0.8	+ 24
6473	- 4	- .92	+ 15	0.8	0
6478	0	- .94	+ 8	I.0	- 13

(586) κ Cham $11^h 59^m.6$ $-75°58'$

J.D.	h	P	m	p	v
	min				
5032	0	- .86	+ 191	0.7	+".086
5038	0	- .90	+ 151	0.8	+ 11
5403	+ 3	- .90	+ 77	0.8	- 55
5646	+ 9	+ .64	+ 68	0.8	- 19
6004	0	+ .71	+ 78	0.8	+ 73
6006	- 10	+ .71	0	I.0	- 73
6007	- 4	+ .70	+ 16	I.0	- 43
6138	+ 5	- .91	- 9	0.8	- 68
6141	0	- .93	+ 23	0.8	- 8
6145	+ 6	- .93	+ 43	I.0	+ 30
6363	+ 4	+ .77	0	I.0	- 4
6366	+ 7	+ .75	+ 39	I.0	+ 70
6505	+ 5	- .92	- 19	I.0	- 15
6509	+ 6	- .93	0	0.7	+ 21
6724	+ 7	+ .81	- 36	0.8	+ 4
6731	0	+ .75	- 73	0.8	- 66
6746	- 8	+ .60	- 6	I.0	+ 60
6870	+ 8	- .92	- 61	I.0	- 19
6873	+ 3	- .92	- 35	0.7	+ 30
6876	+ 3	- .93	- 40	0.7	+ 21

(587) BS 4682 $12^h 13^m.7$ $-54°35'$

J.D.	h	P	m	p	v
	min				
4684	0	- .92	+ 121	0.8	+".013
4688	- 2	- .93	+ 71	I.0	- 81
4690	+ 3	- .93	+ 113	0.8	- 2
4691	- 5	- .93	+ 142	I.0	+ 53
5288	- 5	+ .61	+ 88	I.0	+ 55
5641	0	+ .74	+ 38	I.0	+ 28
5646	+ 5	+ .68	+ 43	I.0	+ 38
5775	+ 3	- .91	0	I.0	- 9
5777	- 8	- .92	0	0.8	- 9
5997	- 6	+ .81	+ 42	0.8	+ 103
5999	- 8	+ .79	- 32	0.8	- 36
6001	- 2	+ .78	- 35	I.0	- 41
6002	0	+ .78	- 67	I.0	- 102
6142	- 2	- .92	- 47	I.0	- 28
6146	0	- .92	- 41	I.0	- 17
6363	+ 2	+ .80	- 78	I.0	- 55
6364	0	+ .79	0	I.0	+ 92
6366	0	+ .79	- 81	I.0	- 60
6505	- 3	- .91	- 65	I.0	+ 8
6507	0	- .91	- 43	I.0	+ 49
6510	- 3	- .92	- 28	0.8	+ 77
6511	+ 3	- .92	- 89	0.8	- 38

(588) BS 4768 $12^h 26^m.1$ $-58°52'$

J.D.	h	P	m	p	v
	min				
5035	- 8	- .85	+ 9	0.7	+".009
5060	0	- .93	- 14	0.8	- 34
5640	0	+ .78	- 10	I.0	- 30
5641	+ 2	+ .77	+ 16	I.0	+ 19
5646	+ 4	+ .72	- 8	I.0	- 26
5777	- 9	- .91	+ 18	0.8	+ 32
5789	+ 4	- .93	+ 18	0.7	+ 32
5997	0	+ .83	+ 24	0.8	+ 34
6001	- 3	+ .81	0	I.0	- 11
6009	- 2	+ .74	- 7	I.0	- 24
6012	- 9	+ .71	+ 19	I.0	+ 24
6141	- 2	- .90	+ 22	0.8	+ 39
6144	0	- .91	+ 14	0.7	+ 24
6364	0	+ .82	- 4	I.0	- 15
6366	0	+ .81	+ 9	I.0	+ 9
6379	0	+ .69	+ 23	I.0	+ 36
6380	+ 4	+ .68	+ 6	0.8	+ 4
6506	+ 4	- .90	0	0.7	+ 4
6510	0	- .92	- 30	0.8	- 53
6512	+ 3	- .92	- 23	I.0	- 39
6516	0	- .93	0	I.0	+ 4

(589) β Corv $12^h 29^m.1$ $-22°51'$

J.D.	h	P	m	p	v
	min				
4669	- 2	- .83	- 71	I.0	-".011
4671	+ 7	- .85	- 71	0.8	- 11
4691	+ 8	- .93	- 50	0.8	+ 28
4695	0	- .93	- 61	0.8	+ 8
5644	0	+ .75	+ 26	I.0	- 2
5649	+ 7	+ .70	+ 7	0.8	- 38
5777	- 7	- .90	0	0.8	+ 11
5999	+ 3	+ .82	+ 58	I.0	+ 19
6000	0	+ .82	+ 92	I.0	+ 83
6005	+ 2	+ .78	+ 63	0.8	+ 28
6012	+ 3	+ .72	+ 25	I.0	- 43
6142	+ 3	- .90	0	I.0	- 23
6156	0	- .93	0	I.0	- 23
6363	0	+ .83	+ 42	I.0	- 43
6379	+ 3	+ .70	+ 43	I.0	- 43
6387	0	+ .61	+ 75	I.0	+ 19
6517	+ 5	- .93	+ 37	I.0	+ 8
6519	+ 6	- .93	+ 34	0.8	+ 2
6731	0	+ .82	+ 64	I.0	- 45
6735	- 3	+ .79	+ 126	0.8	+ 71
6872	0	- .90	+ 66	I.0	+ 24

(590) Cin 1633 12h 45m.6 -0° 13'

J.D.	h	P	m	p	v
	min				
5043	0	- .86	0	0.6	+ ".021
5045	0	- .87	- 6	0.8	+ 9
5413	- 2	- .89	-34	1.0	- 30
5652	- 2	+ .72	+41	0.7	- 36
5794	0	- .94	-22	1.0	+ 13
6003	+ 3	+ .83	+78	0.7	+ 36
6005	+ 4	+ .82	+49	0.8	- 19
6014	+ 2	+ .74	+57	0.6	- 4
6015	- 9	+ .73	+26	0.8	- 62
6154	0	- .92	-21	0.6	+ 24
6159	+ 6	- .94	-17	0.6	+ 32
6366	+ 3	+ .85	+87	1.0	+ 62
6524	- 2	- .94	-41	1.0	0
6740	0	+ .79	+51	0.7	+ 17
6746	0	+ .73	+34	1.0	- 15
6753	+ 3	+ .66	+40	0.6	- 4
6877	+ 4	- .90	-63	0.7	- 34
6879	+ 4	- .91	-68	0.6	- 43
6887	+ 6	- .93	-35	0.7	+ 19

(591) 38 Virg 12h 48m.1 -3° 1'

J.D.	h	P	m	p	v
	min				
4671	- 2	- .81	- 25	0.7	- ".011
4676	0	- .85	- 11	1.0	+ 15
4688	+10	- .91	- 32	1.0	- 24
4698	+ 2	- .94	- 2	0.8	+ 32
5652	+ 6	+ .72	+ 6	1.0	- 15
5655	0	+ .69	+ 13	0.8	- 2
6012	+ 6	+ .76	+ 23	0.8	+ 15
6015	0	+ .74	+ 4	0.8	- 21
6016	- 2	+ .73	- 13	0.7	- 53
6146	+10	- .90	- 17	0.8	+ 2
6159	+11	- .94	- 7	0.8	+ 21
6386	+ 5	+ .68	+ 43	0.8	+ 55
6522	0	- .93	- 6	0.8	+ 24
6752	+ 9	+ .68	+ 33	0.7	+ 38
6755	0	+ .64	+ 5	0.7	- 15
6880	+ 3	- .91	- 35	1.0	- 34
6882	+ 7	- .92	- 17	0.8	0
6884	+ 9	- .92	- 25	1.0	- 15

(592) BS 5071 13h 23m.3 -50° 39'

J.D.	h	P	m	p	v
	min				
5437	+ 6	- .94	- 48	0.8	- ".021
5439	+ 7	- .94	- 7	0.8	+ 56
5662	+ 7	+ .72	0	1.0	+ 30
6007	+ 2	+ .87	+. 32	1.0	+ 41
6009	+ 6	+ .87	- 14	1.0	- 45
6012	+ 3	+ .85	- 33	0.8	- 81
6029	- 4	+ .71	0	1.0	- 19
6156	+10	- .90	+ 6	0.8	- 15
6161	+ 2	- .93	0	1.0	- 26
6162	+ 4	- .93	+ 11	1.0	- 6
6379	0	+ .83	+ 66	1.0	+ 58
6380	+ 6	+ .82	+ 39	1.0	+ 8
6387	0	+ .77	+ 41	0.8	+ 11
6537	+ 7	- .94	+ 20	0.7	- 36
6738	+ 5	+ .87	+ 59	1.0	0
6740	+ 6	+ .86	+ 45	0.8	- 26
6886	0	- .90	+ 74	0.6	+ 21
6894	+ 2	- .93	+ 71	1.0	+ 15
6897	+ 3	- .94	+ 79	0.7	+ 30
6898	+ 3	- .94	+ 57	0.8	- 11

(593) BS 5174 13h 41m.1 -35° 45'

J.D.	h	P	m	p	v
	min				
5059	0	- .88	-12	0.7	- ".026
5425	+ 2	- .88	0	0.8	+ 4
5434	0	- .92	- 4	1.0	- 4
5646	- 4	+ .88	0	1.0	- 15
5656	+ 2	+ .82	+ 5	1.0	- 6
5658	+ 3	+ .81	+20	1.0	+ 23
5662	- 7	+ .77	+12	0.8	+ 8
5794	+ 5	- .90	+ 6	1.0	+ 24
5798	+ 6	- .92	+18	1.0	+ 47
6012	+ 4	+ .88	- 8	1.0	- 21
6014	- 2	+ .87	-20	1.0	- 43
6015	0	+ .86	0	1.0	- 6
6019	+ 3	+ .84	- 7	1.0	- 19
6162	- 3	- .92	-16	1.0	- 8
6377	- 4	+ .88	+ 6	1.0	+ 13
6384	+ 3	+ .84	0	0.8	+ 2
6398	+ 2	+ .72	+40	0.8	+ 77
6529	0	- .92	-13	0.8	+ 6
6538	+ 2	- .94	- 9	1.0	+ 13
6539	+ 6	- .95	-38	1.0	- 41
6540	+ 2	- .95	-31	0.8	- 28

(594) τ Virg 13h 56m.6 +2° 2'

J.D.	h	P	m	p	v
	min				
4700	+ 3	- .90	-100	0.6	- ".056
4706	+ 3	- .92	- 39	0.8	+ 58
4711	0	- .94	- 86	0.8	- 30
4933	0	+ .80	- 12	0.8	+ 51
4943	+ 5	+ .71	- 22	1.0	+ 32
4945	+ 6	+ .68	- 41	0.7	- 4
4947	+ 4	+ .66	- 31	0.7	+ 15
5064	+ 5	- .89	- 26	0.7	- 9
5076	+ 5	- .94	0	0.7	+ 39
5080	+ 6	- .95	- 52	1.0	- 58
5307	+ 4	+ .72	- 12	1.0	- 38
5311	+ 8	+ .67	+ 9	0.8	+ 2
5439	+ 6	- .93	+ 15	0.8	- 21
5651	+ 4	+ .89	+ 63	0.8	+ 19
5652	0	+ .88	+ 52	1.0	- 2
5655	+ 4	+ .86	0	1.0	- 100
5656	+ 6	+ .85	+ 80	1.0	+ 51
5808	- 6	- .94	+119	0.6	+ 81
5811	+ 2	- .95	+ 84	0.7	+ 15

(595) PGC 3751 14h 36m.2 -32° 20'

J.D.	h	P	m	p	v
	min				
5434	+ 7	- .86	+ 83	0.6	- ".043
5439	+ 2	- .90	+104	1.0	- 4
5656	- 5	+ .92	+ 70	1.0	- 8
5667	0	+ .86	+102	0.8	+ 53
5684	- 5	+ .71	+ 87	1.0	+ 24
5685	- 5	+ .70	+ 76	1.0	+ 4
5805	+ 6	- .90	+ 34	1.0	- 2
5806	+ 5	- .90	+ 31	1.0	- 8
5813	+ 7	- .94	+ 44	0.8	+ 17
5815	+ 4	- .94	+ 20	0.8	- 28
6036	0	+ .83	0	0.7	- 8
6039	- 2	+ .81	- 23	1.0	- 51
6042	+ 5	+ .78	+ 12	1.0	+ 15
6172	+ 9	- .91	- 19	0.8	+ 30
6181	-10	- .94	- 24	0.8	+ 21
6398	0	+ .85	- 56	0.8	+ 19
6399	0	+ .85	- 91	1.0	- 47
6412	- 6	+ .74	- 59	1.0	+ 13
6538	- 2	- .91	- 98	1.0	+ 13
6543	0	- .93	-118	0.7	- 24
6549	0	- .95	-100	0.8	+ 9

(596) α¹ Libr 14h 45m.2 −15°35'

J.D.	h	P	m	p	v
	min				
4727	+ 4	− .96	+171	1.0	−".026
5084	+ 4	− .94	+184	0.8	+ 85
5686	+ 6	+ .71	+ 93	1.0	− 17
5687	+ 3	+ .71	+ 99	1.0	− 6
5688	− 9	+ .70	+ 75	1.0	− 51
5813	+ 3	− .93	+ 45	1.0	− 2
6029	0	+ .89	+ 69	1.0	+ 17
6050	0	+ .73	+ 75	1.0	+ 28
6172	+10	− .90	0	0.8	+ 2
6183	+ 6	− .94	− 26	0.8	− 47
6398	− 3	+ .87	0	0.8	− 17
6421	+ 4	+ .67	+ 5	1.0	− 8
6426	− 5	+ .61	+ 16	1.0	+ 13
6543	+ 4	− .92	− 34	0.7	+ 24
6789	+ 8	+ .63	− 35	1.0	+ 11
6790	0	+ .62	− 29	0.7	+ 23
6898	+ 2	− .87	− 89	0.8	+ 4
6900	+ 3	− .87	−100	0.8	− 17
6903	0	− .90	−102	0.6	− 21

(597) BS 5724 15h 18m.9 −38°23'

J.D.	h	P	m	p	v
	min				
4598	+ 3	+ .73	+40	0.8	−".011
4600	0	+ .71	+56	1.0	+ 19
4604	+ 4	+ .67	+48	1.0	+ 4
4727	+ 2	− .95	+28	1.0	− 2
4731	0	− .96	+25	1.0	− 8
4736	+ 6	− .97	+18	0.8	− 21
4943	+ 4	+ .90	+33	1.0	+ 24
4950	− 3	+ .86	− 8	0.7	− 53
4951	+ 3	+ .85	+14	1.0	− 11
5080	+ 2	− .87	0	1.0	− 8
5084	+ 5	− .90	+32	1.0	+ 53
5302	0	+ .93	+21	0.8	+ 53
5307	+ 3	+ .91	0	0.7	+ 13
5318	0	+ .83	−24	0.8	− 32
5452	+ 3	− .91	−19	1.0	+ 11
5460	+ 7	− .95	−31	1.0	− 11
5462	+ 9	− .95	−31	1.0	− 11
5678	+ 3	+ .88	−41	1.0	− 13

(598) ι Serp 15h 23m.6 +2°11'

J.D.	h	P	m	p	v
	min				
5463	0	− .96	+28	0.7	−".034
5688	+ 5	+ .81	+58	1.0	+ 13
5696	+ 7	+ .72	+63	1.0	+ 23
5697	+ 4	+ .71	+63	1.0	+ 23
5816	+ 8	− .90	+31	1.0	+ 23
5824	+10	− .95	+44	0.7	+ 47
5832	+ 6	− .97	0	0.7	− 36
6050	0	+ .83	+16	1.0	− 15
6055	+ 9	+ .79	− 4	1.0	− 53
6190	+10	− .95	−14	0.8	− 8
6192	+ 7	− .95	+10	0.8	+ 38
6196	+ 8	− .97	−27	0.8	− 32
6412	+ 2	+ .86	−32	0.8	− 55
6414	+ 3	+ .84	0	0.8	+ 6
6543	+ 7	− .88	−32	0.5	+ 8
6554	+ 6	− .95	−56	0.5	− 38
6559	+10	− .96	−31	0.8	+ 9
6778	+ 5	+ .85	−26	1.0	+ 11
6781	+ 2	+ .83	−14	0.8	+ 34
6792	0	+ .72	−27	1.0	+ 9

(599) BS 5943 15h 52m.7 −41°27'

J.D.	h	P	m	p	v
	min				
5465	+ 5	− .95	0	0.8	+".008
5468	+ 5	− .96	− 19	1.0	− 28
5686	+ 1	+ .89	0	1.0	− 6
5689	+ 1	+ .87	+ 12	0.8	+ 17
5694	+10	+ .83	+ 18	1.0	+ 28
5695	+ 2	+ .82	0	0.8	− 6
5830	+ 4	− .95	− 10	0.8	+ 11
5832	+ 2	− .96	− 18	0.7	− 4
5834	+ 3	− .96	− 38	0.6	− 41
5835	+ 6	− .96	+ 17	0.8	+ 62
6039	− 2	+ .95	0	0.7	+ 9
6042	+ 1	+ .93	− 11	0.8	− 11
6050	− 8	+ .89	− 29	0.7	− 45
6055	0	+ .86	0	0.7	+ 9
6193	+ 2	− .94	− 26	0.8	0
6196	0	− .95	− 43	0.8	− 32
6407	− 2	+ .94	+ 31	0.7	+ 90
6412	+ 2	+ .92	− 50	1.0	− 62
6414	0	+ .90	− 15	0.7	+ 4
6555	− 2	− .92	− 25	0.7	+ 21

(600) BS 6094 16h 17m.2 −38°58'

J.D.	h	P	m	p	v
	min				
5475	− 8	− .97	−88	0.8	−".032
5477	− 3	− .97	−76	0.7	− 9
5689	+ 6	+ .91	+14	0.7	+ 19
5696	+ 3	+ .86	0	0.7	− 8
5697	− 9	+ .85	+39	0.8	+ 66
5700	− 8	+ .84	+20	0.8	+ 30
5833	+ 5	− .93	− 7	0.7	+ 45
5839	− 5	− .96	−47	1.0	− 30
6048	+ 5	+ .94	+23	0.7	− 38
6052	− 6	+ .92	+31	0.8	− 23
6057	0	+ .89	+74	0.6	+ 58
6063	− 9	+ .85	0	1.0	− 81
6193	+ 2	− .91	0	0.8	− 17
6197	+ 7	− .93	+46	0.6	+ 70
6206	+ 3	− .97	0	0.7	− 17
6417	+ 6	+ .92	+87	1.0	+ 9
6438	+ 8	+ .76	+82	0.8	0
6570	+ 5	− .97	+50	0.6	+ 4
6571	+ 2	− .97	+54	0.7	+ 11

(601) θ TrAu 16h 26m.1 −65°17'

J.D.	h	P	m	p	v
	min				
5473	0	− .95	− 8	0.7	+".036
5686	+ 7	+ .94	0	0.8	+ 9
5689	+ 3	+ .93	+14	0.8	+ 36
5700	+ 5	+ .86	+ 8	1.0	+ 24
5701	+ 3	+ .85	− 5	1.0	0
5830	0	− .91	−57	1.0	− 92
5834	+ 3	− .93	+18	0.8	+ 49
5837	+ 4	− .95	−19	0.8	− 21
6049	0	+ .95	0	0.8	− 24
6056	+ 2	+ .92	+23	0.8	+ 19
6064	− 5	+ .87	+ 9	0.8	− 8
6067	− 8	+ .84	0	0.7	− 24
6202	+ 7	− .94	− 9	0.8	− 39
6206	+ 5	− .97	0	1.0	− 23
6213	+ 9	− .99	+24	0.8	+ 23
6417	+ 5	+ .93	+29	1.0	− 8
6428	+ 7	+ .87	+18	1.0	− 28
6566	+ 5	− .94	+33	1.0	+ 4
6572	0	− .97	+81	0.8	+ 94

(602) σ Ophi $17^h 21^m.6$ +4°14'

J.D.	h	P	m	p	v
	min				
4609	+ 5	+ .93	+72	0.7	+".073
4611	+ 3	+ .91	+57	1.0	+ 45
4627	+ 8	+ .77	+21	0.8	- 23
4629	0	+ .75	-14	1.0	- 88
4735	+ 6	- .81	-12	1.0	- 45
4758	+ 2	- .97	0	1.0	- 23
4764	+ 9	- .99	+18	0.8	+ 11
4765	+ 7	- .99	+46	0.6	+ 64
4972	+ 3	+ .94	+30	1.0	+ 23
4983	0	+ .86	+39	1.0	+ 39
4984	+ 6	+ .85	+ 5	1.0	- 24
5110	+ 8	- .89	0	0.8	+ 8
5123	+ 9	- .96	+23	1.0	+ 51
5125	+ 8	- .98	-13	1.0	- 17
5126	+ 7	- .98	-18	1.0	- 26
5340	0	+ .92	-18	0.8	- 36
5348	+ 9	+ .86	-23	1.0	- 45
5354	0	+ .80	+30	0.7	+ 55
5356	+ 5	+ .79	+ 7	0.8	+ 11

(603) ξ Serp $17^h 31^m.9$ -15°20'

J.D.	h	P	m	p	v
	min				
4622	+ 5	+ .85	- 5	0.8	-".073
4623	+ 2	+ .84	+34	0.8	0
4626	+ 5	+ .81	+45	1.0	+ 21
4629	+ 6	+ .78	+39	1.0	+ 9
4741	+ 2	- .84	0	0.8	+ 6
4751	- 2	- .92	0	1.0	+ 6
4764	+ 6	- .99	+20	0.8	+ 43
4766	+ 3	- .99	+29	0.8	+ 60
4965	+ 4	+ .98	+34	0.7	+ 23
4972	0	+ .95	- 5	1.0	- 51
4982	- 2	+ .89	+28	0.6	+ 11
5104	0	- .82	-18	1.0	0
5107	0	- .84	0	0.6	+ 34
5108	0	- .85	-37	1.0	- 36
5126	+ 3	- .97	-34	0.8	- 30
5129	+ 2	- .99	-52	0.8	- 64
5330	0	+ .98	+32	1.0	+ 55
5331	+ 2	+ .97	+10	1.0	+ 13
5337	0	+ .95	+ 4	0.6	+ 2
5359	+ 5	+ .79	0	1.0	- 6

(604) BS 6630 $17^h 43^m.1$ -37°1'

J.D.	h	P	m	p	v
	min				
4611	+ 2	+ .95	+40	1.0	+".086
4626	+ 5	+ .84	- 9	0.8	- 6
4628	+ 6	+ .82	0	1.0	+ 11
4748	0	- .87	-64	0.7	- 60
4756	+ 4	- .93	-37	1.0	- 9
4758	+ 2	- .95	-49	1.0	- 32
4768	+ 5	- .99	-55	1.0	- 43
4968	+ 3	+ .98	+20	1.0	+ 9
4972	+ 2	+ .97	- 9	0.8	- 45
4991	+ 6	+ .84	0	1.0	- 28
5105	+ 4	- .80	+27	0.8	+ 70
5123	+ 6	- .94	0	0.8	+ 19
5125	+ 5	- .96	+48	0.7	+ 109
5130	+ 5	- .98	-21	0.8	- 21
5340	+ 4	+ .96	+17	1.0	- 38
5355	+ 5	+ .85	+37	0.8	0
5359	+ 5	+ .81	+54	1.0	+ 32
5362	+ 7	+ .79	+18	1.0	- 36

(605) ι^2 Scor $17^h 43^m.2$ -40°3'

J.D.	h	P	m	p	v
	min				
5701	0	+ .98	+40	1.0	+".064
5718	0	+ .87	+17	1.0	+ 21
5721	- 7	+ .84	0	1.0	- 11
5724	- 9	+ .81	0	0.7	- 11
5836	+ 9	- .81	-11	1.0	- 38
5850	+ 3	- .92	+22	1.0	+ 24
5852	- 5	- .93	+14	1.0	+ 9
5858	+ 4	- .96	0	0.8	- 17
6063	0	+ .98	-19	1.0	- 34
6064	0	+ .98	0	0.6	+ 2
6067	- 4	+ .97	0	0.7	+ 2
6068	- 2	+ .97	-40	1.0	- 73
6213	+ 3	- .91	+ 8	1.0	+ 13
6218	+ 3	- .94	+20	1.0	+ 36
6221	0	- .96	+ 3	0.8	+ 4
6223	+ 2	- .96	-31	0.8	- 60
6429	- 3	+ .98	-20	1.0	- 19
6438	+ 4	+ .94	+ 8	0.8	+ 34
6439	+ 2	+ .94	+ 8	1.0	+ 34
6572	0	- .86	- 4	1.0	+ 6

(606) BS 6675 $17^h 49^m.5$ -44°19'

J.D.	h	P	m	p	v
	min				
5487	0	- .93	+24	0.6	+".011
5501	+ 3	- .99	+ 8	0.8	- 19
5502	+ 4	- .99	+16	0.7	- 4
5503	+ 9	- .99	+12	0.7	- 11
5701	- 4	+ .98	+14	0.8	- 11
5702	- 5	+ .98	+28	1.0	+ 15
5705	- 3	+ .96	+13	1.0	- 13
5706	0	+ .96	+ 4	1.0	- 30
5849	- 8	- .90	0	1.0	- 2
5852	- 9	- .92	+21	1.0	+ 38
5854	-10	- .93	0	1.0	- 2
5859	- 6	- .96	+24	0.8	+ 43
6063	- 3	+ .98	0	1.0	- 6
6064	- 4	+ .98	+29	1.0	+ 49
6068	- 4	+ .97	0	1.0	- 6
6076	- 3	+ .94	0	0.7	- 6
6217	- 2	- .92	-18	0.8	- 2
6219	- 3	- .93	-16	0.8	+ 2
6221	- 3	- .95	-43	0.8	- 49
6224	- 2	- .96	-27	0.7	- 19

(607) ε Scut $18^h 38^m.1$ -8°22'

J.D.	h	P	m	p	v
	min				
5004	0	+ .84	-13	1.0	+".026
5129	- 4	- .90	-20	0.8	+ 13
5371	- 3	+ .82	-61	1.0	- 86
5498	0	- .93	0	0.8	+ 28
5504	0	- .96	-73	0.6	- 109
5514	+10	- .99	-42	0.7	- 51
5713	0	+ .98	0	1.0	+ 8
5719	+ 2	+ .95	+20	0.8	+ 45
5726	0	+ .90	+16	1.0	+ 38
5734	+ 3	+ .84	+26	1.0	+ 56
5862	+ 4	- .92	+ 8	1.0	+ 21
5864	0	- .93	0	0.8	+ 6
5874	+ 6	- .98	+17	1.0	+ 38
5877	0	- .99	0	0.8	+ 6
6076	0	+ .98	+13	0.8	+ 9
6084	+ 2	+ .95	+19	1.0	+ 21
6093	0	+ .90	-23	1.0	- 58
6095	- 7	+ .87	-24	1.0	- 60

(608) μ CorA 18h 40m.8 -40° 31'

J.D.	h	P	m	p	v
	min				
5006	0	+ .83	-20	0.8	+".006
5509	0	- .97	-53	0.8	- 55
5511	+ 5	- .98	-32	0.8	- 15
5512	0	- .99	-40	0.7	- 30
5514	+10	- .99	- 8	0.8	+ 30
5714	+ 2	+ .98	- 4	0.8	- 9
5720	0	+ .95	0	1.0	- 2
5726	0	+ .91	+42	1.0	+ 77
5730	0	+ .88	-19	1.0	- 38
5850	+ 3	- .81	+24	1.0	+ 68
5869	+ 3	- .95	-15	1.0	- 6
5875	+ 7	- .98	-23	1.0	- 21
6077	0	+ .98	+10	1.0	- 6
6094	0	+ .90	0	0.8	- 24
6095	- 3	+ .88	+ 5	1.0	- 15
6233	0	- .94	+14	1.0	+ 26
6237	+ 5	- .96	+ 9	1.0	+ 17
6238	+ 4	- .96	0	1.0	0
6460	0	+ .89	+33	1.0	+ 15
6461	- 2	+ .88	+22	1.0	- 6
6594	- 3	- .92	0	0.8	- 23
6602	0	- .96	0	0.8	- 23

(609) ψ Sgtr 19h 9m.4 -25° 26'

J.D.	h	P	m	p	v
	min				
4622	0	+ .98	-35	1.0	-".049
4623	0	+ .98	0	0.8	+ 17
4628	+ 2	+ .96	-18	1.0	- 17
4629	0	+ .96	0	0.8	+ 17
4764	0	- .83	+14	1.0	+ 28
4769	0	- .88	+ 6	0.8	+ 13
4776	- 3	- .92	-23	0.8	- 41
4789	+ 4	- .98	- 8	1.0	- 13
4990	+ 4	+ .98	+40	1.0	+ 55
4993	- 2	+ .96	+29	0.8	+ 34
5133	0	- .87	+ 8	0.7	- 21
5137	0	- .90	+19	0.6	0
5151	+ 3	- .97	+34	0.8	+ 28
5354	- 3	+ .98	+74	0.6	+ 81
5359	+ 2	+ .96	+47	0.8	+ 30
5365	0	+ .92	-35	0.8	- 124
5377	+ 7	+ .83	+24	1.0	- 13

(610) BS 7317 19h 13m.3 -15° 43'

J.D.	h	P	m	p	v
	min				
4641	+ 3	+ .89	+ 69	0.6	+".004
4642	+ 2	+ .89	+ 47	1.0	- 38
4643	- 2	+ .88	+ 87	1.0	+ 38
4649	- 2	+ .82	+ 73	0.7	+ 11
4651	0	+ .80	+ 80	0.8	+ 24
4765	- 5	- .83	0	1.0	- 28
4774	0	- .90	+ 16	0.8	+ 2
4789	+ 5	- .97	0	1.0	- 28
4991	+ 3	+ .98	+ 33	1.0	+ 26
4993	0	+ .97	+ 7	1.0	- 23
5133	+ 2	- .86	- 59	1.0	- 36
5138	+ 3	- .90	+ 5	0.8	+ 85
5147	+ 6	- .95	- 46	1.0	- 11
5153	0	- .97	- 11	0.6	+ 55
5355	+ 5	+ .98	- 28	0.8	+ 17
5362	- 2	+ .95	- 27	1.0	+ 19
5367	0	+ .92	- 25	1.0	+ 23
5376	+ 2	+ .85	- 82	1.0	- 85

(611) μ² Pavo 19h 52m.1 -67° 13'

J.D.	h	P	m	p	v
	min				
5020	+ 5	+ .85	-42	0.7	-".038
5031	+ 4	+ .74	-49	1.0	- 51
5518	0	- .91	- 8	1.0	+ 21
5524	+ 8	- .94	+16	1.0	+ 66
5739	0	+ .93	+41	1.0	+ 60
5745	+ 4	+ .89	+34	1.0	+ 47
5751	- 6	+ .84	0	0.8	- 17
5890	+ 6	- .95	0	0.8	+ 8
5895	+ 6	- .96	+20	0.7	+ 45
6093	0	+ .97	+ 4	1.0	- 38
6109	- 2	+ .90	-18	0.8	- 79
6238	0	- .83	-10	1.0	- 41
6249	+ 7	- .92	+ 7	1.0	- 9
6475	- 3	+ .89	+43	1.0	+ 8
6481	- 2	+ .85	+53	1.0	+ 26
6602	+ 3	- .82	+23	1.0	- 6
6614	+ 5	- .92	+15	1.0	- 21
6616	+ 3	- .92	0	0.8	- 49
6621	0	- .95	+21	0.8	- 9
6826	- 3	+ .97	+76	1.0	+ 41
6834	+ 2	+ .93	+70	0.8	+ 30
6835	+ 6	+ .93	+47	1.0	- 13

(612) BS 7987 20h 47m.2 -40° 11'

J.D.	h	P	m	p	v
	min				
5391	+ 5	+ .90	0	0.6	+".055
5509	+ 2	- .70	-47	0.8	- 23
5524	+ 4	- .85	-30	0.8	+ 9
5525	+ 4	- .85	-58	1.0	- 43
5745	0	+ .95	+16	1.0	+ 39
5753	+ 3	+ .91	-10	0.7	- 9
5756	+10	+ .90	-25	0.8	- 38
5758	0	+ .88	-22	0.7	- 32
5899	+ 9	- .91	+14	0.8	+ 45
6116	+ 3	+ .92	0	1.0	- 32
6118	- 6	+ .92	+46	0.7	+ 55
6264	+ 3	- .91	0	0.7	- 21
6270	+ 6	- .93	+39	1.0	+ 53
6272	+10	- .94	+13	0.7	+ 4
6476	+ 6	+ .95	+41	0.7	+ 2
6478	+ 3	+ .94	+48	0.8	+ 15
6485	+ 5	+ .90	+27	1.0	- 24
6627	+ 2	- .90	+14	0.6	- 38

(613) I Equl 20h 54m.1 +3° 55'

J.D.	h	P	m	p	v
	min				
5032	0	+ .86	+212	0.8	+".062
5035	+ 2	+ .83	+188	1.0	+ 17
5514	0	- .74	+ 74	1.0	- 64
5522	0	- .81	+ 93	0.8	- 28
5756	+10	+ .90	+ 70	1.0	0
5758	0	+ .89	+ 29	1.0	- 77
5893	+ 5	- .86	+ 46	1.0	- 11
5899	+10	- .90	+ 52	0.8	0
5906	+ 5	- .92	+ 47	1.0	- 9
6109	- 3	+ .96	- 19	0.8	- 68
6110	+ 5	+ .95	0	0.6	- 32
6118	- 6	+ .92	+ 54	0.8	+ 70
6263	- 4	- .89	0	0.8	+ 8
6264	+ 5	- .89	+ 54	1.0	+ 109
6266	+ 4	- .90	+ 12	1.0	+ 30
6478	+ 4	+ .94	+ 19	0.8	+ 109
6627	+ 3	- .88	- 74	0.8	- 30
6628	+ 3	- .89	- 53	1.0	+ 9
6633	+ 6	- .91	- 76	0.8	- 34
6845	+ 3	+ .93	- 85	1.0	+ 15
6851	+ 8	+ .91	-114	0.7	- 39
6852	+ 6	+ .90	-119	1.0	- 49

(614) β Equl 21h 17m.9 +6°23'

J.D.	h	P	m	p	v
	min				
5410	0	+ .80	0	1.0	+ ".015
5411	0	+ .79	0	1.0	+ 15
5522	+ 8	- .75	- 59	0.8	- 62
5546	+ 6	- .92	- 27	0.8	- 2
5753	0	+ .94	+ 24	0.7	+ 24
5756	+ 9	+ .93	0	1.0	- 21
5758	+10	+ .92	+ 42	0.8	+ 58
5763	+ 5	+ .89	- 17	0.7	- 53
5896	+ 9	- .83	- 7	0.7	+ 4
5906	+ 8	- .88	+ 11	1.0	+ 38
6120	+ 6	+ .93	+ 31	0.8	+ 6
6125	0	+ .91	0	1.0	- 53
6249	- 5	- .71	+ 37	1.0	+ 51
6263	0	- .84	+ 21	0.8	+ 21
6268	+ 3	- .88	+ 10	1.0	0
6276	+ 5	- .92	- 23	1.0	- 62
6481	+ 4	+ .95	+ 46	1.0	- 2
6482	+ 6	+ .94	+ 90	0.8	+ 81
6485	+ 2	+ .93	+ 24	1.0	- 43
6491	+ 5	+ .91	+ 38	0.8	- 17

(615) BS 8657 22h 39m.8 -47°4'

J.D.	h	P	m	p	v
	min				
5058	0	+ .85	+25	0.8	+ ".002
5552	+ 3	- .80	+19	0.8	+ 9
5557	+ 2	- .83	+18	0.6	+ 8
5779	+ 3	+ .90	-10	1.0	- 15
5780	+ 3	+ .90	- 5	1.0	- 6
5781	- 8	+ .89	+15	1.0	+ 32
5910	0	- .74	0	1.0	- 2
5914	+ 6	- .77	0	1.0	- 2
5923	+ 2	- .84	-38	1.0	- 73
5924	+ 3	- .84	+33	1.0	+ 60
6142	0	+ .91	-39	1.0	- 43
6272	0	- .70	+ 6	1.0	+ 39
6278	+ 3	- .76	-32	0.7	- 32
6283	+ 4	- .80	-25	0.7	- 19
6286	0	- .83	-12	0.6	+ 6
6496	0	+ .94	-36	0.8	- 13
6497	0	+ .94	+36	0.7	+ 122
6506	0	+ .92	-56	1.0	- 51

(616) γ Tucn 23h 11m.6 -58°47'

J.D.	h	P	m	p	v
	min				
4706	+12	+ .81	+113	1.0	+ ".047
4711	- 7	+ .77	+102	1.0	+ 26
4713	- 9	+ .76	+ 84	1.0	- 8
4714	- 5	+ .75	+ 66	1.0	- 41
4826	- 3	- .75	+ 47	1.0	- 8
5066	+ 5	+ .85	+ 89	1.0	+ 41
5199	+ 6	- .83	- 11	1.0	- 66
5207	+ 8	- .87	+ 35	1.0	+ 21
5410	0	+ .93	+ 28	1.0	- 34
5550	+ 5	- .70	0	1.0	- 6
5564	+ 3	- .82	+ 16	0.8	+ 24
5772	- 2	+ .94	0	0.8	- 43
5915	+ 2	- .70	- 37	1.0	- 32
5924	+ 4	- .78	- 11	1.0	+ 17
5927	+ 5	- .80	0	1.0	+ 38
5932	+ 4	- .84	- 12	1.0	+ 15
6137	- 3	+ .94	- 4	1.0	- 6
6139	+ 2	+ .94	0	0.7	+ 2
6140	0	+ .94	+ 5	0.8	+ 11

(617) κ Pisc 23h 21m.8 +0°42'

J.D.	h	P	m	p	v
	min				
4700	- 2	+ .88	-112	0.6	- ".032
4711	0	+ .80	- 85	1.0	+ 19
4714	+ 3	+ .77	- 99	1.0	- 8
4715	+ 2	+ .76	- 89	1.0	+ 11
4829	+ 3	- .76	-111	1.0	- 8
5063	0	+ .88	- 45	0.8	+ 9
5198	+ 4	- .79	- 79	1.0	- 32
5434	- 3	+ .85	- 25	1.0	- 30
5549	+ 7	- .65	- 40	1.0	- 36
5567	+10	- .82	+ 13	0.8	+ 64
5568	+ 4	- .83	0	1.0	+ 39
5779	0	+ .93	+ 51	0.8	+ 34
5921	+ 7	- .73	+ 28	1.0	+ 9
5923	+ 4	- .74	+ 22	1.0	- 2
6158	-10	+ .89	+ 92	1.0	+ 26
6299	+ 3	- .83	+ 49	1.0	- 30
6303	+ 4	- .85	+ 37	1.0	- 53
6305	+ 8	- .87	+ 99	1.0	+ 64
6505	- 2	+ .94	+100	0.8	- 36
6510	- 5	+ .93	+122	0.8	+ 6
6513	0	+ .92	+115	1.0	- 8

(618) 19 Pisc 23h 41m.3 +2°56'

J.D.	h	P	m	p	v
	min				
4725	+ 2	+ .72	+13	0.8	- ".006
4726	- 4	+ .71	+53	0.8	+ 70
4727	+ 3	+ .70	+ 6	1.0	- 19
4834	- 5	- .76	+25	1.0	- 21
4848	+ 2	- .86	+20	0.6	- 30
5053	+ 7	+ .93	+ 7	0.8	+ 13
5063	0	+ .91	+27	0.8	+ 51
5202	0	- .78	+87	0.7	+ 122
5206	+ 5	- .81	+16	1.0	- 11
5207	+ 5	- .82	-10	1.0	- 60
5212	0	- .85	0	0.8	- 41
5213	+ 4	- .86	- 6	0.8	- 53
5432	+ 2	+ .89	-32	0.8	- 36
5440	+ 5	+ .84	-26	0.8	- 24
5570	+ 3	- .79	+35	0.8	+ 49
5571	+ 4	- .81	+49	0.8	+ 75
5780	- 3	+ .93	-38	0.7	- 21
5784	+ 2	+ .93	-49	1.0	- 41
5789	0	+ .92	-11	1.0	+ 30

(619) π Phoe 23h 53m.7 -53°18'

J.D.	h	P	m	p	v
	min				
5071	+ 2	+ .89	-125	0.7	- ".049
5571	+ 3	- .78	- 39	0.7	+ 53
5784	+ 2	+ .93	- 23	1.0	+ 36
5944	- 6	- .84	- 37	0.8	+ 2
6166	- 8	+ .89	- 30	1.0	- 34
6292	+ 4	- .70	- 7	1.0	+ 6
6300	0	- .76	- 14	1.0	- 8
6305	- 4	- .81	0	1.0	+ 19
6309	- 7	- .84	+ 18	0.7	+ 53
6517	+ 2	+ .93	+ 25	1.0	+ 15
6518	0	+ .93	0	1.0	- 32
6538	0	+ .86	+ 9	0.8	- 15
6659	- 2	- .71	+ 16	1.0	- 8
6660	+ 2	- .72	0	1.0	- 38
6661	+ 2	- .74	+ 8	1.0	- 23
6673	+ 2	- .83	+ 7	1.0	- 24
6879	0	+ .93	+ 63	0.8	+ 32
6883	+ 5	+ .93	+ 26	0.8	- 38
6884	+ 3	+ .93	+ 48	1.0	+ 4
6888	+ 2	+ .92	+ 85	0.8	+ 73

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m									
620	46 Ceti	1 20.7	-15° 7'	266	5.19	G5	".046	+".001	±".007	±".026	+".008
621	BS 710	2 21.3	-15 47	426	5.84	A2	.074	+ .010	6	20	- .050
622	ζ Horo	2 37.5	-54 59	- 446	5.26	F2	.038	+ .026	6	19	+ .024
623	Cin 453	3 20.1	- 5 42	642	8.1	K0	.82	+ .054	8	29	- .256
624	ρ Forn	3 43.9	-30 28	1497	5.61	G5	.244	+ .002	7	26	+ .027
625	BS 1483	4 34.2	-12 19	955	5.02	A2	.042	+ .037	9	32	- .063
626	BS 1877	5 29.5	-38 35	2085	5.42	K2	.039	- .013	7	22	+ .045
627	BS 2260	6 13.2	-16 47	1426	5.28	K0	.013	+ .013	7	23	- .013
628	ε CMin	7 20.2	+ 9 28	1643	5.07	G5	.018	+ .001	7	26	+ .029
629	BS 3187	8 3.5	-44 58	4051	5.02	K0	.012	- .016	8	27	- .034
630	γ Pyxi	8 46.3	-27 20	5986	4.19	K2	.157	+ .028	8	27	- .105
631	BS 3679	9 11.3	-55 9	2035	5.20	K0	.031	+ .009	7	25	- .053
632	BS 4110	10 23.7	-57 8	3256	4.94	F5p	.005	- .016	7	24	- .003
633		11 3.3	-27 43	7881	9.0		.51	+ .064	7	24	- .522
634	BS 4334	11 3.9	-27 32	7886	5.49	A2	.082	+ .006	6	21	- .085
635	η Cruc	12 1.7	-64 3	+ 2145	4.30	F0	.044	+ .049	6	20	+ .055
636	ε Cruc	12 16.0	-59 51	4188	3.57	K2	.198	+ .019	6	22	- .162
637	τ Cent	12 32.2	-47 59	7745	4.02	A2	.196	+ .021	8	22	- .166
638	χ Virg	12 34.1	- 7 27	3452	4.78	K0	.081	+ .015	8	25	- .051
639	ψ Hyda	13 3.7	-22 35	3515	5.11	K0	.059	+ .009	8	29	- .002
640	BS 5183	13 42.0	+ 6 51	+ 2690	6.32	G0	.496	+ .013	7	23	- .492
641	Wolf 504	13 42.5	+ 6 49	+ 2692	9.5		.54	- .007	10	33	- .490
642	Cin 1905	14 25.6	- 8 12	+ 3856	9.3	K5	1.26	+ .063	8	26	- 1.261
643	110 Virg	14 57.8	+ 2 29	2905	4.62	K0	.046	+ .018	9	36	- .044
644	23 Libr	15 7.6	-24 56	11928	6.43	G5	.399	+ .024	5	21	- .360
645	BS 5667	15 9.5	-41 7	9682	5.20	*	.016	- .008	6	21	+ .004
646	BS 6055	16 8.9	-53 34	7594	5.43	Ma	.014	+ .015	5	19	+ .013
647	ζ TrAu	16 17.7	-69 52	2558	4.93	G0	.227	+ .086	6	22	+ .201
648	β Arae	17 17.0	-55 26	8100	2.80	K2	.036	+ .029	7	24	- .036
649	BS 6682	17 50.7	-41 42	12231	4.89	Ma	.032	- .009	5	17	- .002
650	BS 6840	18 11.6	- 3 2	4263	6.11	G5	.274	+ .006	8	29	+ .028
651	ζ Tele	18 21.1	-49 7	12153	4.14	K0	.295	+ .015	6	20	+ .133
652	BS 6944	18 25.6	-18 28	4988	5.17	A0	.035	+ .012	8	32	- .027
653	λ CorA	18 36.9	-38 25	13036	5.13	A0	.059	+ .019	6	23	- .006
654	23 Aqil	19 13.5	+ 0 54	4168	5.32	K0	.015	+ .021	8	29	+ .022
655	BS 7587	19 48.7	-59 10	7550	5.35	A0	.023	+ .018	8	32	+ .017
656	φ Capr	21 9.9	-21 4	5974	5.35	K0	.010	+ .016	9	33	+ .021
657	θ Indi	21 12.7	-53 52	10037	4.60	A5	.138	+ .038	7	26	+ .087
658	π^2 Grus	22 17.0	-46 26	14295	5.82	F0	.240	+ .018	9	32	+ .241
659	σ Pegs	22 47.3	+ 9 18	5122	5.30	F5	.519	+ .062	6	18	+ .522
660	π PscA	22 58.0	-35 17	15630	5.13	F0	.126	+ .046	7	25	+ .074
661	μ Scul	23 35.4	-32 38	17621	5.33	K0	.108	+ .022	5	18	- .088

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
620	- 82	+ 60	.117	- 17	- 19	.343	- 5	- 27	.345	+ 88	+ 45	.195	10.5	5588	- .0359
621	- 50	- 16	.287	- 39	+ 28	.240	+ 48	- 24	.363	+ 56	+ 60	.110	11.1	6207	+ 72
622	- 53	+ 21	.341	- 20	- 63	.085	+ 6	- 10	.287	+ 62	+ 4	.287	11.2	5845	- 2513
623	- 54	- 45	.270	- 37	+ 2	.253	+ 32	+ 60	.272	+ 75	- 22	.205	10.6	5851	+ 994
624	- 92	+ 13	.243	+ 27	- 46	.225	+ 31	+ 13	.532				10.4	5995	+ 1056
625	- 90	- 60	.111	- 47	+ 46	.214	- 5	- 17	.316	+ 61	+ 6	.359	11.4	6242	- 363
626	- 33	+ 31	.374	- 30	- 37	.297	+ 57	- 9	.192	+ 75	+ 7	.137	10.8	5894	+ 390
627	- 36	+ 39	.205	- 11	- 21	.331	+ 20	- 26	.340	+ 35	+ 63	.124	11.3	6035	- 329
628	- 31	+ 20	.214	- 6	- 47	.232	+ 10	- 22	.347	+ 22	+ 68	.207	10.6	6065	- 242
629	- 66	- 17	.145	- 27	+ 65	.240	- 2	- 33	.262	+ 47	- 13	.353	10.3	5575	- 15
630	- 27	+ 21	.512	- 25	- 38	.225	+ 74	- 9	.263				10.4	6086	+ 357
631	- 64	+ 33	.309	- 24	- 54	.266	+ 58	- 14	.217	+ 62	+ 35	.208	9.7	5722	- 6679
632	- 40	- 45	.273	- 39	+ 56	.123	+ 11	+ 58	.244	+ 36	- 24	.360	10.4	5971	+ 15
633	- 37	+ 47	.234	- 24	- 27	.397	+ 40	- 23	.260	+ 71	+ 54	.109	10.8	6127	*
634	- 61	+ 12	.370	+ 16	- 59	.203	+ 46	+ 18	.427				10.8	6127	- 27
635	- 21	+ 49	.258	- 19	- 56	.182	- 2	- 10	.274	+ 33	+ 2	.286	10.9	6143	+ 264
636	- 46	+ 65	.164	- 37	- 19	.198	- 9	- 29	.368	+ 68	+ 15	.270	9.2	5046	*
637	- 43	+ 26	.354	+ 16	- 54	.274	+ 27	+ 42	.248	+ 34	- 40	.124	11.6	5049	- 358
638	- 71	+ 53	.246	- 12	- 31	.315	+ 11	- 60	.215	+ 84	+ 43	.224	11.2	6008	+ 479
639	- 81	+ 46	.220	- 46	- 40	.262	+ 56	- 29	.240	+ 59	+ 26	.278	12.4	6008	+ 585
640	- 61	- 48	.235	- 40	- 7	.264	+ 27	+ 39	.299	+ 84	+ 6	.202	11.1	6018	*
641	- 86	- 41	.337	+ 2	+ 46	.171	+ 59	+ 12	.492				11.1	6018	*
642	- 71	+ 56	.207	- 52	- 46	.211	+ 34	+ 56	.265	+ 53	- 53	.317	11.2	6176	*
643	- 82	- 45	.363	+ 37	+ 56	.272	+ 54	+ 3	.365				10.0	6182	- 283
644	- 68	- 27	.271	- 21	+ 55	.250	+ 44	- 41	.266	+ 56	+ 22	.213	10.5	6041	+ 106
645	- 66	- 22	.270	- 24	+ 49	.270	+ 29	- 40	.225	+ 76	+ 6	.235	10.4	6045	+ 288
646	- 44	- 2	.255	0	- 10	.295	+ 3	- 23	.168	+ 38	+ 26	.282	10.3	5832	- 911
647	- 60	+ 23	.253	- 20	- 22	.238	+ 38	+ 44	.291	+ 40	- 61	.218	10.7	6056	- 112
648	- 47	- 38	.226	- 26	+ 38	.352	+ 40	- 34	.140	+ 50	0	.282	10.6	4974	+ 670
649	- 16	- 24	.332	- 15	+ 58	.142	+ 4	- 32	.332	+ 31	+ 53	.194	11.2	6075	- 193
650	- 53	- 43	.473	+ 34	+ 38	.381	+ 81	+ 40	.146				11.4	6081	+ 22
651	- 63	+ 63	.232	- 53	- 60	.312	+ 68	+ 20	.227	+ 69	- 2	.229	10.8	6089	- 81
652	- 67	+ 26	.256	- 64	+ 30	.253	+ 46	+ 9	.194	+ 82	- 54	.297	10.2	6091	- 25
653	- 29	+ 26	.240	- 18	- 24	.402	+ 40	+ 9	.358				10.4	4987	- 325
654	- 43	+ 22	.342	- 10	- 65	.184	- 1	- 64	.183	+ 58	+ 56	.291	11.4	5377	+ 331
655	- 46	- 56	.187	- 38	+ 44	.319	+ 38	+ 1	.247	+ 47	- 17	.247	11.3	5890	+ 699
656	- 69	+ 66	.228	- 51	- 62	.170	+ 39	- 27	.253	+ 42	+ 5	.349	11.6	5169	+ 1064
657	- 56	- 8	.311	- 9	- 31	.259	+ 30	+ 43	.226	+ 63	+ 5	.204	10.7	5906	- 326
658	- 53	- 36	.454	+ 33	+ 43	.280	+ 56	+ 17	.266				10.5	5906	+ 1030
659	- 53	- 7	.169	- 36	+ 35	.245	+ 23	- 17	.293	+ 38	- 8	.293	11.1	6142	*
660	- 73	- 21	.351	+ 32	- 8	.466	+ 59	+ 61	.183				10.8	6144	- 523
661	- 83	+ 12	.226	- 11	+ 58	.299	+ 43	- 62	.263	+ 50	- 17	.212	11.0	6152	- 269

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
620	19.1	-18.50	414.9	+3.23	-10.13	13.52	12.85	+.0147	+.0301	+.0023	+.00087	+.00011	+.00005
621	15.2	-21.90	860.9	-0.36	-17.42	10.60	10.20	+303	-6578	+178	+95	-73	+51
622	17.2	+22.30	320.8	+1.65	-4.67	11.85	11.53	+173	+1147	+156	+42	+35	+140
623	19.0	-1.02	314.4	+1.54	-5.66	13.29	13.07	-251	-1.1882	+569	-176	-373	+289
624	18.0	+1.84	273.4	+1.89	-0.65	13.87	13.67	-161	+1071	-8	-94	+40	+9
625	16.7	-0.65	295.2	-0.34	+2.15	12.93	12.90	-335	-2649	+241	-200	-92	+196
626	17.2	+1.72	114.9	+0.91	+6.75	11.80	11.36	+71	+704	-34	+38	+65	-69
627	16.0	-6.64	162.7	-1.32	+3.27	11.23	11.07	+68	-302	+65	+41	-18	+69
628	19.4	+3.63	269.4	-1.45	+7.34	13.22	12.89	+22	+1141	+35	+4	+42	+4
629	16.1	+9.61	207.3	-2.97	+5.07	11.89	11.11	+112	-972	-150	+84	-49	-85
630	18.2	-13.71	1063.3	-4.81	+25.93	12.95	11.21	-730	-1.5245	+27	-476	-153	+151
631	16.3	-3.69	215.3	-3.10	+4.39	11.74	11.09	-423	-1537	+105	-268	-77	+48
632	16.4	+11.82	374.1	-1.53	-1.85	11.34	11.20	-126	-222	-86	-82	-4	-88
633	18.0	+0.91	912.0	-2.18	+22.19	12.16	11.35	+971	+829	+286	+581	-760	+338
634	18.0	+0.91	912.0	-2.18	+22.19	12.16	11.35	-146	-1.1175	-220	-71	-123	+31
635	18.8	-3.67	836.7	-0.87	+23.39	12.45	11.77	+124	+7222	+500	+94	+79	+260
636	20.3	+84.51	1760.3	-4.68	-21.67	14.78	13.70	-67	+221	+153	-25	-236	+102
637	14.1	-3.07	107.2	-4.09	+8.36	10.10	8.39	+242	-2539	-153	+151	-241	+110
638	14.7	-0.07	404.2	-1.47	+3.70	10.51	10.33	-495	-2992	+106	-329	-75	+82
639	19.1	-11.27	954.1	+0.54	-7.64	13.85	13.83	+142	-440	+72	+71	-3	+47
640	15.2	-2.62	311.4	-2.31	+1.68	11.28	10.92	-74	-167	+89	-39	-716	+71
641	15.2	-2.62	311.4	-2.31	+1.68	11.28	10.92	-49	-109	-33	-38	-714	-36
642	13.2	-5.89	286.0	-0.98	+4.74	9.49	9.36	+394	-389	+281	+318	-1833	+334
643	18.5	-10.09	231.0	-1.88	+2.46	14.38	14.18	+302	-1607	+98	+138	-65	+97
644	20.3	-3.91	238.4	-2.10	-4.77	15.96	15.63	+2094	-1.2907	+251	+943	-523	+126
645	15.2	-6.19	139.5	+2.70	-5.06	11.05	10.46	+110	+42	-29	+82	+5	-44
646	17.6	+2.23	112.6	-0.35	-1.09	15.19	15.17	+89	+208	+117	+50	+18	+80
647	16.2	-14.09	168.4	+0.09	+5.07	13.51	13.34	+715	+4183	+772	+694	+293	+457
648	16.0	-0.58	118.8	+3.18	+0.31	12.95	12.32	+118	-626	+207	+42	-53	+152
649	13.3	+0.07	144.9	-2.22	+14.15	11.32	9.57	+43	-118	-65	+24	-3	-48
650	15.6	+3.97	111.2	+2.10	+5.46	12.90	12.40	-102	+437	+48	-80	+41	+33
651	15.7	+2.88	192.2	-0.65	-6.48	13.55	13.31	+810	+3806	-50	+484	+193	+79
652	17.3	-5.89	126.8	-0.11	-1.42	14.46	14.44	-232	-429	+102	-147	-40	+65
653	16.1	-0.29	128.1	+1.89	+3.54	13.35	13.03	-28	-73	+128	-29	-9	+102
654	15.2	+8.35	193.4	+0.74	+0.73	12.73	12.69	+110	+680	+146	+49	+33	+111
655	17.5	-1.80	293.9	+2.71	-4.31	14.71	14.24	-271	+710	+84	-170	+25	+95
656	17.1	-1.17	256.8	+1.59	-1.97	12.76	12.60	+19	+755	+106	+5	+30	+87
657	16.4	+19.80	180.9	+1.85	+1.92	13.04	12.83	+67	+2044	+264	-134	+126	+203
658	17.2	+21.98	524.6	+0.89	-1.55	12.52	12.46	+750	+1.8353	+61	-17	+351	+93
659	15.2	-15.42	555.1	+2.49	+3.50	10.84	10.36	+170	+599	+379	+68	+761	+331
660	18.7	+5.62	500.9	-0.33	-6.88	13.63	13.53	+503	+5361	+249	+241	+108	+244
661	18.4	+6.06	487.8	+1.05	+1.10	13.41	13.35	+799	-5918	+195	+468	-127	+119

(620) 46 Ceti $1^h 20^m.7$ $-15°7'$

J.D.	h	P	m	p	v
	min				
4727	+ 3	+ .91	+ 18	0.8	+ ".036
4730	+ 2	+ .90	+ 22	1.0	+ 43
4734	- 2	+ .87	- 20	0.8	- 36
4735	+ 3	+ .87	+ 4	0.7	+ 9
5213	+ 2	- .63	- 8	1.0	- 24
5230	+ 5	- .81	+ 12	1.0	+ 13
5234	+ 6	- .82	- 39	1.0	- 83
5439	- 4	- .94	+ 25	1.0	+ 32
5440	0	+ .94	- 15	0.8	- 43
5458	0	+ .91	0	0.7	- 15
5460	+ 4	+ .90	0	1.0	- 15
5581	+ 2	- .66	+ 31	0.8	+ 45
5586	+ 4	- .71	- 8	0.8	- 28
5591	+ 6	- .76	- 4	1.0	- 21
5592	+ 2	- .77	+ 30	1.0	+ 43
5804	- 2	+ .94	+ 22	1.0	+ 19
5850	- 3	- .70	+ 32	1.0	+ 36
5861	+ 5	- .80	+ 27	1.0	+ 26
6176	0	+ .94	- 21	1.0	- 70
6181	- 9	+ .93	+ 29	0.7	+ 24
6183	-10	+ .92	+ 22	1.0	+ 11

(621) BS 710 $2^h 21^m.3$ $-15°47'$

J.D.	h	P	m	p	v
	min				
4514	+10	- .79	+139	0.6	+ ".021
4724	0	+ .95	+137	0.7	+ 28
4746	0	+ .92	+108	1.0	- 26
4750	- 3	+ .89	+135	0.7	+ 24
5967	+ 2	- .73	+ 7	0.8	- 30
5972	0	- .78	+ 27	1.0	+ 8
5979	+ 7	- .84	+ 13	1.0	- 19
6197	0	+ .95	0	0.8	- 24
6217	+10	+ .85	- 7	1.0	- 38
6325	0	- .64	- 10	1.0	- 11
6333	- 6	- .74	0	0.7	+ 8
6340	+ 2	- .79	0	1.0	+ 8
6561	0	+ .95	+ 19	0.8	+ 56
6696	+ 3	- .71	- 38	0.8	- 15
6703	+ 3	- .78	0	1.0	+ 56
6704	+ 2	- .78	- 47	0.7	- 32
6916	- 6	+ .96	- 24	1.0	+ 26
6928	- 6	+ .95	- 59	0.6	- 39

(622) ζ Horo $2^h 37^m.5$ $-54°59'$

J.D.	h	P	m	p	v
	min				
5132	0	+ .80	- 13	0.5	- ".006
5473	+ 2	+ .95	0	1.0	- 6
5489	+ 4	+ .87	- 19	0.8	- 41
5497	+ 9	+ .80	+ 13	1.0	+ 19
5600	0	- .67	- 31	1.0	- 32
5612	+ 7	- .79	- 6	0.8	+ 15
5613	+ 5	- .80	+ 30	0.7	+ 83
5833	+10	+ .96	+ 20	0.8	+ 4
5849	+ 7	+ .90	+ 17	1.0	- 2
5853	-10	+ .88	+ 18	1.0	0
5972	+ 3	- .74	- 7	1.0	- 9
5979	+ 5	- .81	- 4	1.0	- 4
6329	+ 7	- .65	0	1.0	- 19
6333	+ 4	- .70	- 11	0.8	- 39
6345	+ 9	- .81	+ 7	1.0	- 6
6347	+ 8	- .83	+ 99	1.0	+ 36
6556	+ 6	+ .96	+ 61	1.0	+ 36
6572	+ 9	+ .93	- 47	0.8	- 9
6587	+ 6	+ .85	+ 30	1.0	- 23

(623) Cin 453 $3^h 20^m.1$ $-5°42'$

J.D.	h	P	m	p	v
	min				
5147	- 2	+ .77	+247	0.6	- ".038
5150	0	+ .74	+283	1.0	+ 30
5248	+ 5	- .71	+153	1.0	- 64
5477	0	+ .98	+132	1.0	- 24
5496	+ 2	+ .91	+175	1.0	+ 56
5613	+ 4	- .71	+ 45	1.0	- 4
5616	+10	- .74	+ 29	1.0	- 34
5627	+ 9	- .84	+ 60	0.8	+ 24
5849	0	+ .96	+ 21	1.0	+ 21
5850	+ 3	+ .96	0	1.0	- 19
5854	- 3	+ .94	0	1.0	- 19
5979	+ 2	- .72	- 46	1.0	+ 83
5984	+ 3	- .77	- 75	1.0	+ 28
5985	+ 7	- .78	-103	1.0	- 24
5990	+ 6	- .82	- 91	1.0	- 2
6204	0	+ .98	-137	1.0	- 26
6218	- 6	+ .95	-110	1.0	+ 24
6337	0	- .63	-185	1.0	+ 58
6573	+ 2	+ .97	-274	0.8	- 28
6708	+ 3	- .70	-399	0.8	- 77

(624) ρ Forn $3^h 43^m.9$ $-30°28'$

J.D.	h	P	m	p	v
	min				
5500	- 7	+ .92	- 39	0.8	- ".021
5501	0	+ .92	0	0.8	+ 53
5507	+ 4	+ .88	- 19	0.8	+ 17
5509	- 3	+ .87	- 34	1.0	- 11
5616	- 2	- .68	- 67	0.8	- 79
5624	0	- .77	0	1.0	+ 47
5632	0	- .84	+ 6	0.8	+ 58
5849	+ 5	+ .98	- 9	1.0	+ 11
5854	+ 3	+ .98	- 35	1.0	- 38
5983	+ 7	- .71	0	0.8	+ 21
5997	+ 3	- .84	- 14	0.6	- 6
5998	0	- .85	- 26	0.8	- 28
6001	+ 5	- .87	- 35	0.8	- 45
6213	+ 4	+ .98	- 20	1.0	- 39
6356	+ 4	- .79	+ 10	1.0	+ 9
6363	+10	- .85	0	1.0	- 9
6365	+ 2	- .86	+ 13	1.0	+ 15
6578	+ 4	+ .98	- 9	1.0	- 45
6595	+ 5	+ .93	+ 48	1.0	+ 62
6599	+ 4	+ .90	+ 27	1.0	+ 23

(625) BS 1483 $4^h 34^m.2$ $-12°10'$

J.D.	h	P	m	p	v
	min				
5501	+ 5	+ .98	+ 45	0.5	- ".038
5509	- 2	+ .96	+114	0.8	+ 92
5522	+ 7	+ .86	+ 70	0.7	+ 9
5650	+ 4	- .90	+ 18	0.7	+ 2
6002	+ 4	- .79	- 24	1.0	- 15
6007	+ 4	- .84	+ 17	1.0	+ 52
6010	+ 7	- .86	- 10	1.0	+ 11
6015	+ 7	- .90	- 82	0.8	- 124
6235	+ 5	+ .97	0	0.8	+ 4
6236	+ 3	+ .97	- 24	0.8	- 41
6256	+ 2	+ .84	- 23	1.0	- 39
6365	+ 2	- .77	- 58	1.0	- 19
6366	+ 3	- .78	- 70	1.0	- 41
6379	+ 8	- .90	0	0.8	+ 90
6612	+ 7	+ .91	- 49	1.0	- 23
6619	- 2	+ .85	- 31	0.8	+ 11
6731	+ 5	- .78	- 73	1.0	+ 17
6746	+ 5	- .90	- 52	0.6	+ 24
6864	+ 4	+ .98	- 55	0.7	+ 24
6877	+ 3	+ .91	- 59	0.6	+ 17

(626) BS 1877 $5^h 29^m.5$ $-38°35'$

J.D.	h	P	m	p	v
	min				
5543	+ 4	+ .79	-45	1.0	- ".039
5547	0	+ .74	-26	0.8	- 4
5548	- 9	+ .73	-23	1.0	+ 2
5640	+ 2	- .70	+ 6	1.0	+ 23
5644	- 3	- .75	-13	0.7	- 13
5657	+ 2	- .87	+13	1.0	+ 36
5662	+10	- .91	-12	0.8	- 11
5887	+ 4	+ .95	+20	1.0	+ 41
5896	0	+ .90	0	0.7	+ 4
5900	+ 6	+ .87	- 7	0.8	- 9
6005	+ 2	- .70	+23	1.0	+ 9
6014	+ 5	- .80	+ 7	0.8	- 21
6015	+ 4	- .81	0	1.0	- 34
6030	+ 2	- .93	+13	1.0	- 9
6031	+ 6	- .93	+24	0.8	+ 11
6256	+10	+ .94	-12	1.0	- 64
6266	+ 8	+ .86	+53	1.0	+ 58
6272	+ 6	+ .80	+ 2	0.8	- 38
6277	0	+ .75	+42	1.0	+ 38

(627) BS 2260 $6^h 13^m.2$ $-16°47'$

J.D.	h	P	m	p	v
	min				
5550	+ 2	+ .82	+ 44	0.5	+ ".049
5551	+ 9	+ .81	+ 18	0.6	0
5567	- 7	+ .62	+ 16	0.8	- 4
5651	+ 5	- .71	0	0.8	- 9
5659	+ 5	- .80	- 13	1.0	- 34
5670	+ 6	- .90	+ 20	0.6	+ 28
5673	+ 5	- .92	0	1.0	- 9
5906	+ 2	+ .90	+ 3	0.8	- 17
5918	+ 7	+ .79	- 9	0.8	- 39
5921	+ 6	+ .75	+ 16	0.7	+ 8
6028	+ 2	- .83	- 29	0.8	- 51
6029	0	- .85	+ 19	1.0	+ 39
6036	0	- .91	- 18	0.6	- 30
6046	+ 3	- .96	+ 23	0.7	+ 47
6265	+ 2	+ .94	+ 11	1.0	+ 9
6266	- 2	+ .94	+ 13	0.8	+ 13
6287	+ 3	+ .75	+ 33	0.8	+ 51
6393	- 4	- .83	+ 23	1.0	+ 60
6407	+ 3	- .94	- 26	1.0	- 32
6661	- 3	+ .64	- 42	0.7	- 73

(628) ε CMin $7^h 20^m.2$ $+9°28'$

J.D.	h	P	m	p	v
	min				
5576	+ 3	+ .70	-20	0.8	".000
5581	- 4	+ .63	- 8	0.7	+ 23
5582	+ 3	+ .62	-25	1.0	- 9
5678	+ 6	- .83	+11	0.8	+ 51
5696	+ 4	- .96	+25	0.7	+ 77
5697	0	- .96	-32	1.0	- 30
5704	+ 5	- .99	-49	1.0	- 62
5923	+ 2	+ .88	-14	1.0	- 19
5940	0	+ .71	0	1.0	+ 8
5943	- 5	+ .67	- 8	1.0	- 8
6063	+ 3	- .96	+ 7	1.0	+ 13
6065	0	- .98	-13	0.8	- 24
6068	+ 7	- .98	0	1.0	0
6300	0	+ .77	- 3	1.0	- 24
6312	+ 5	+ .62	+36	0.8	+ 49
6414	+ 3	- .87	+52	1.0	+ 68
6428	+ 4	- .96	- 9	0.8	- 47
6434	+ 5	- .99	0	1.0	- 30
6664	+ 2	+ .79	+43	1.0	+ 32
6673	+ 2	+ .67	+32	1.0	+ 11
6678	- 6	+ .61	0	1.0	- 49

(629) BS 3187 $8^h 3^m.5$ $-44°58'$

J.D.	h	P	m	p	v
	min				
4984	- 5	- .98	+57	0.6	+ ".023
4987	+ 3	- .98	+55	0.8	+ 19
5224	- 2	+ .64	- 7	0.8	- 51
5327	- 2	- .86	+ 4	0.8	- 45
5329	0	- .88	+20	1.0	- 15
5332	+ 2	- .90	+14	1.0	- 26
5568	+ 3	+ .86	- 6	0.8	- 15
5570	+ 3	+ .85	+54	0.7	+ 98
5571	0	+ .84	0	0.8	- 4
5582	0	+ .73	+23	0.7	+ 39
5583	- 2	+ .72	0	1.0	- 4
5704	0	- .94	0	1.0	- 21
5708	0	- .96	+19	1.0	+ 15
5947	+ 7	+ .74	- 8	0.8	+ 15
5951	+ 8	+ .69	0	0.8	+ 30
6065	+ 4	- .91	+10	1.0	+ 34
6068	+ 3	- .93	+11	1.0	+ 36
6075	+ 4	- .97	-20	0.8	- 23
6309	- 2	+ .77	-91	0.7	- 105

(630) γ Pyxi $8^h 46^m.3$ $-27°20'$

J.D.	h	P	m	p	v
	min				
4604	+ 9	- .82	+172	0.6	+ ".017
4611	+ 5	- .88	+117	1.0	- 85
4621	+ 4	- .94	+163	0.8	0
4627	+ 2	- .96	+213	0.8	+ 94
5584	0	+ .80	+ 36	1.0	- 6
5598	+ 2	+ .66	+ 21	1.0	- 34
5721	0	- .95	+ 21	0.7	+ 49
5724	- 9	- .96	0	0.7	+ 9
5956	0	+ .74	0	0.8	+ 30
6077	0	- .91	- 40	0.7	+ 41
6095	+ 4	- .97	- 80	1.0	- 34
6312	+ 3	+ .83	- 94	1.0	- 41
6332	+ 4	+ .61	- 48	1.0	+ 45
6438	+ 6	- .88	-124	1.0	- 19
6684	0	+ .76	-143	1.0	- 26
6688	+ 3	+ .72	-109	0.7	+ 38
6692	+10	+ .67	-124	0.7	+ 9
6799	+ 8	- .85	-166	1.0	+ 11
6802	- 2	- .87	-182	1.0	- 19
6813	0	- .94	-153	0.7	+ 36
6814	+ 6	- .94	-188	1.0	- 30

(631) BS 3679 $9^h 11^m.3$ $-55°9'$

J.D.	h	P	m	p	v
	min				
4998	- 7	- .94	+24	0.8	".000
4999	- 3	- .96	+23	0.7	- 2
5000	- 5	- .96	0	0.8	- 45
5242	- 5	+ .61	+43	1.0	+ 56
5593	0	+ .77	0	0.8	+ 26
5598	+ 3	+ .73	- 6	1.0	+ 15
5601	+ 5	+ .68	0	1.0	+ 26
5718	- 6	- .90	-57	0.8	- 51
5721	- 7	- .92	-26	0.7	+ 8
5724	- 3	- .94	-27	0.7	+ 6
5727	- 6	- .94	-45	1.0	- 28
5950	- 3	+ .83	-87	0.7	- 86
5956	- 3	+ .79	-64	1.0	- 43
5957	- 3	+ .78	-31	0.8	+ 13
5968	+ 5	+ .66	-54	1.0	- 24
6083	- 8	- .90	-26	1.0	+ 64
6093	+ 2	- .94	-51	1.0	+ 17
6095	- 6	- .96	-58	0.8	+ 4
6102	0	- .96	-57	0.7	+ 6

(632) BS 4110 $10^h 23^m.7$ $-57°8'$

J.D.	h	P	m	p	v
	min				
5364	- 8	- .84	0	0.6	- ".004
5381	- 3	- .92	+ 17	0.8	+ 28
5388	0	- .94	- 5	0.8	- 13
5613	+ 3	+ .73	- 26	1.0	- 24
5623	+ 2	+ .63	+ 37	0.8	+ 94
5624	+ 2	+ .61	+ 10	0.8	+ 43
5738	0	- .90	- 24	1.0	- 47
5752	- 5	- .94	+ 14	1.0	+ 24
5968	- 3	+ .82	- 61	0.7	- 86
5972	+ 2	+ .79	- 22	1.0	- 13
5973	+ 3	+ .78	- 29	1.0	- 26
6109	0	- .92	- 25	0.7	- 45
6337	+ 3	+ .79	- 19	0.8	- 6
6338	+ 2	+ .79	- 7	1.0	+ 17
6469	+ 4	- .90	0	0.8	+ 4
6478	+ 5	- .93	+ 8	0.8	+ 19
6711	0	+ .71	- 14	1.0	+ 6
6834	0	- .90	0	0.8	+ 6
6835	+ 4	- .90	+ 4	1.0	+ 13

(633) $11^h 3^m.3$ $-27°43'$

J.D.	h	P	m	p	v
	min				
4663	0	- .93	+ 12	1.0	- ".028
4669	- 4	- .93	+ 7	0.8	- 38
4673	+ 9	- .94	+ 30	1.0	+ 6
5624	0	+ .72	+ 90	0.8	+ 15
5980	- 4	+ .80	+ 90	1.0	+ 11
5984	0	+ .77	+ 106	1.0	+ 41
5990	- 8	+ .72	+ 69	1.0	- 28
6124	0	- .92	+ 66	0.8	+ 73
6130	0	- .93	+ 51	0.8	+ 45
6352	+ 2	+ .74	+ 78	1.0	- 8
6361	+ 5	+ .66	+ 101	1.0	+ 36
6491	- 4	- .93	+ 31	1.0	+ 9
6496	+ 2	- .93	+ 11	1.0	- 28
6723	0	+ .69	+ 55	1.0	- 47
6724	+ 5	+ .68	+ 79	1.0	- 2
6731	- 3	+ .60	+ 72	1.0	- 15
6835	- 4	- .82	- 2	1.0	- 56
6851	+ 3	- .92	+ 33	0.8	+ 9
6852	0	- .92	+ 41	1.0	+ 24

(634) BS 4334 $11^h 3^m.9$ $-27°32'$

J.D.	h	P	m	p	v
	min				
4663	0	- .93	+ 173	1.0	+ ".006
4669	- 4	- .93	+ 193	0.8	+ 43
4673	+ 9	- .94	+ 158	1.0	- 23
5624	0	+ .72	+ 64	0.8	+ 13
5980	- 4	+ .80	0	1.0	- 23
5984	0	+ .77	- 23	1.0	- 66
5990	- 8	+ .72	+ 36	1.0	+ 45
6124	0	- .92	0	0.8	+ 21
6130	0	- .93	- 26	0.8	- 28
6352	+ 2	+ .74	- 23	1.0	+ 19
6361	+ 5	+ .66	- 44	1.0	- 21
6491	- 4	- .93	- 53	1.0	+ 4
6496	+ 2	- .93	- 71	1.0	- 30
6723	0	+ .69	- 51	1.0	+ 53
6724	+ 5	+ .68	- 69	1.0	+ 19
6731	- 3	+ .60	- 95	1.0	- 30
6835	- 4	- .82	- 98	1.0	- 2
6851	+ 3	- .92	- 93	0.8	+ 8
6852	0	- .92	- 96	1.0	+ 2

(635) η Cruc $12^h 1^m.7$ $-64°3'$

J.D.	h	P	m	p	v
	min				
4681	- 5	- .92	- 125	1.0	+ ".013
4687	+ 3	- .93	- 127	1.0	+ 9
4690	+ 3	- .93	- 135	0.6	- 6
5640	+ 5	+ .72	+ 4	1.0	+ 30
6002	+ 5	+ .74	+ 33	1.0	+ 30
6004	0	+ .72	- 13	0.8	- 56
6006	0	+ .71	+ 25	0.7	+ 15
6007	+ 5	+ .70	0	1.0	- 32
6137	+ 10	- .91	- 21	0.6	- 13
6146	0	- .93	- 5	1.0	+ 17
6147	0	- .93	- 41	1.0	- 51
6363	+ 8	+ .78	+ 42	1.0	- 8
6364	+ 6	+ .77	+ 76	1.0	+ 56
6377	+ 6	+ .64	+ 30	1.0	- 30
6511	+ 2	- .93	0	1.0	- 26
6735	+ 2	+ .72	+ 92	0.6	+ 36
6740	+ 5	+ .67	+ 63	1.0	- 19
6746	- 4	+ .60	+ 67	1.0	- 11
6865	+ 3	- .90	+ 61	0.7	+ 34
6868	+ 3	- .91	+ 47	0.8	+ 8
6872	+ 3	- .92	+ 59	1.0	+ 30

(636) ε Cruc $12^h 16^m.0$ $-59°51'$

J.D.	h	P	m	p	v
	min				
4665	+ 10	- .84	- 28	1.0	- ".030
4681	+ 3	- .92	- 22	1.0	- 19
4682	+ 9	- .92	- 9	1.0	+ 6
4688	+ 7	- .93	0	1.0	+ 23
4905	0	+ .79	- 13	1.0	- 32
4916	0	+ .68	+ 12	1.0	+ 15
4919	0	+ .66	- 13	0.8	- 32
5039	+ 3	- .88	- 4	0.8	+ 13
5043	- 2	- .90	- 27	1.0	- 30
5046	+ 3	- .91	- 19	0.6	- 15
5048	0	- .92	- 10	1.0	+ 2
5052	0	- .93	+ 25	1.0	+ 68
5267	+ 6	+ .81	- 2	1.0	- 17
5268	0	+ .80	- 12	1.0	- 36
5270	+ 3	+ .79	- 2	1.0	- 17
5277	+ 3	+ .73	+ 60	0.8	+ 100
6723	- 2	+ .85	+ 22	1.0	+ 19
6724	+ 2	+ .84	+ 17	0.6	+ 9
6869	+ 7	- .90	- 13	1.0	- 15
6870	+ 3	- .91	- 6	1.0	- 2
6872	- 4	- .91	- 10	1.0	- 9
6873	0	- .92	- 7	0.7	- 4

(637) τ Cent $12^h 32^m.2$ $-47°59'$

J.D.	h	P	m	p	v
	min				
4669	0	- .82	+ 83	0.8	- ".019
4676	+ 3	- .87	+ 60	0.8	- 62
4688	+ 8	- .92	+ 77	1.0	- 30
4691	+ 11	- .93	+ 139	0.8	+ 86
4695	0	- .93	+ 110	0.8	+ 32
4905	0	+ .82	+ 51	0.8	- 9
4916	- 3	+ .73	+ 60	0.7	+ 8
4922	+ 5	+ .68	+ 45	0.8	- 21
5042	+ 5	- .87	+ 29	0.8	+ 45
5046	+ 7	- .90	0	0.7	- 9
5059	+ 2	- .93	0	0.8	- 9
5270	+ 4	+ .82	- 8	1.0	+ 45
5271	+ 7	+ .82	- 45	0.7	- 24
5273	+ 3	+ .80	- 40	0.6	- 15
5292	+ 6	+ .62	- 31	0.6	+ 2
5410	+ 4	- .89	- 91	0.8	- 15
5416	+ 5	- .92	- 85	0.8	- 4
5418	- 7	- .92	- 85	0.8	- 4

(638) χ Virg 12h 34m.1 −7°27'

J.D.	h	P	m	p	v
	min				
4696	+ 4	− .93	+44	0.8	−".024
4698	0	− .94	+85	0.7	+ 53
5649	+ 8	+ .71	+ 7	0.6	+ 13
5651	+ 2	+ .69	0	1.0	0
5790	+ 2	− .93	−16	1.0	+ 17
6000	0	+ .83	−28	0.6	− 2
6003	0	+ .81	−21	1.0	+ 11
6013	− 4	+ .72	−32	1.0	− 9
6014	− 9	+ .71	−68	1.0	− 77
6154	+ 5	− .93	−95	0.7	− 81
6156	+ 4	− .93	−47	0.7	+ 9
6362	+ 2	+ .85	−38	1.0	+ 28
6380	+ 4	+ .70	−33	1.0	+ 38
6508	+ 7	− .90	−88	1.0	− 19
6510	0	− .91	−56	0.8	+ 41
6512	0	− .91	−91	0.8	− 24
6520	+ 3	− .93	−64	1.0	+ 26

(639) ψ Hyda 13h 3m.7 −22°35'

J.D.	h	P	m	p	v
	min				
4566	− 8	+ .67	+53	0.5	+".071
4696	+ 4	− .92	− 7	0.6	− 26
4697	− 2	− .93	+34	1.0	+ 51
4698	− 4	− .93	−19	1.0	− 49
5641	− 5	+ .84	+24	1.0	+ 23
5644	− 4	+ .83	0	0.8	− 23
5646	− 3	+ .81	+19	1.0	+ 13
5651	− 3	+ .77	+21	1.0	+ 17
5654	− 3	+ .75	+12	1.0	0
5794	− 6	− .93	−23	0.8	− 49
6007	− 5	+ .84	−19	0.7	− 56
6008	− 8	+ .84	0	0.8	− 21
6009	− 6	+ .83	−20	1.0	− 58
6379	− 3	+ .79	+73	1.0	+ 120
6396	− 2	+ .62	− 7	1.0	− 30
6517	+ 4	− .90	+ 4	0.8	+ 6
6525	0	− .93	+12	1.0	+ 21
6528	− 6	− .94	0	0.7	− 2
6738	− 3	+ .84	−15	0.8	− 45
6882	+ 3	− .90	− 4	1.0	− 8
6883	0	− .91	0	0.8	0
6884	+ 3	− .91	+18	0.8	+ 34

(640) BS 5183 13h 42m.0 +6°51'

J.D.	h	P	m	p	v
	min				
5052	0	− .83	0	1.0	+".008
5071	− 3	− .93	−13	1.0	− 17
5652	+ 7	+ .85	− 4	1.0	− 15
5670	+ 9	+ .70	+27	0.8	+ 43
5806	+ 2	− .94	+ 4	0.8	+ 26
6013	+ 3	+ .87	−24	0.7	− 49
6015	+ 5	+ .86	+25	0.8	+ 43
6016	+ 8	+ .86	−29	0.7	− 58
6028	+ 2	+ .76	+ 4	1.0	+ 4
6160	0	− .90	−33	1.0	− 41
6161	+ 5	− .91	+ 6	1.0	+ 32
6166	+ 4	− .93	−13	1.0	− 4
6398	+10	+ .72	+22	0.8	+ 43
6399	+ 4	+ .71	− 9	1.0	− 15
6529	+ 8	− .92	0	0.6	+ 26
6539	+10	− .95	0	1.0	+ 26
6540	+10	− .95	−38	1.0	− 45

(641) Wolf 504 13h 42m.5 +6°49'

J.D.	h	P	m	p	v
	min				
5052	0	− .83	+10	1.0	+".015
5071	− 3	− .93	− 9	1.0	− 21
5652	+ 7	+ .85	−37	1.0	− 58
5670	+ 9	+ .70	+34	0.8	+ 75
5806	+ 2	− .94	+22	0.8	+ 41
6013	+ 3	+ .87	−39	0.7	− 62
6015	+ 5	+ .86	+36	0.8	+ 79
6016	+ 8	+ .86	+ 8	0.7	+ 26
6028	+ 2	+ .76	−47	1.0	− 77
6160	0	− .90	+ 6	1.0	+ 15
6161	+ 5	− .91	+29	1.0	+ 58
6166	+ 4	− .93	−36	1.0	− 64
6398	+10	+ .72	+ 8	0.8	+ 30
6399	+ 4	+ .71	0	1.0	+ 15
6529	+ 8	− .92	0	0.6	+ 4
6539	+10	− .95	0	1.0	+ 4
6540	+10	− .95	−23	1.0	− 39

(642) Cin 1905 14h 25m.6 −8°12'

J.D.	h	P	m	p	v
	min				
5077	+ 3	− .92	+41	0.5	+".049
5080	+ 8	− .93	−23	1.0	− 71
5678	+ 5	+ .74	+88	1.0	+ 47
5813	0	− .94	+35	0.7	+ 55
6028	+ 4	+ .86	+64	0.8	+ 8
6038	0	+ .79	+56	0.8	− 8
6046	− 3	+ .72	+53	0.7	− 13
6176	+ 6	− .93	+21	0.6	+ 39
6387	0	+ .89	+66	0.7	+ 23
6410	0	+ .72	+71	0.7	+ 32
6413	+ 3	+ .69	+41	1.0	− 24
6415	+ 8	+ .67	+26	1.0	− 53
6537	+ 6	− .92	0	1.0	+ 8
6538	+ 3	− .92	− 4	1.0	0
6539	+ 4	− .92	−28	1.0	− 45
6548	+ 7	− .95	+11	0.7	+ 28

(643) 110 Virg 14h 57m.8 +2°29'

J.D.	h	P	m	p	v
	min				
5452	+ 2	− .94	+41	1.0	−".021
5455	− 5	− .95	+57	1.0	+ 9
5670	0	+ .88	+95	1.0	+ 77
5688	+ 5	+ .73	+61	0.8	+ 13
5811	− 2	− .91	− 4	0.8	− 62
6028	0	+ .91	+57	1.0	+ 49
6050	+ 5	+ .77	+ 4	1.0	− 51
6055	+ 2	+ .72	0	1.0	− 58
6176	0	− .90	− 4	1.0	− 15
6179	+ 3	− .92	0	1.0	− 8
6180	+ 9	− .92	0	1.0	− 8
6191	− 2	− .96	+39	0.7	+ 66
6395	0	+ .90	−21	1.0	− 55
6399	+ 2	+ .89	+64	1.0	+ 105
6411	+ 3	+ .80	0	1.0	− 15
6415	0	+ .77	−29	1.0	− 70
6544	− 3	− .92	+22	1.0	+ 77
6545	+ 3	− .92	−37	0.7	− 34
6546	+ 5	− .93	−26	0.8	− 13
6558	+ 3	− .97	−15	0.7	+ 8

(644) 23 Libr 15h 7m.6 -24° 56'

J.D.	h	P	m	p	v
	min				
5454	0	- .93	+413	0.7	+".047
5458	- 5	- .95	+361	1.0	- 51
5666	- 6	+ .92	+304	1.0	+ 23
5684	- 4	+ .80	+275	1.0	- 32
5686	0	+ .78	+316	1.0	+ 45
5688	0	+ .76	+299	1.0	+ 13
5813	+ 4	- .91	+194	0.7	- 8
5815	+ 2	- .92	+220	0.8	+ 41
5822	- 6	- .95	+188	0.8	- 19
5824	- 6	- .95	+200	1.0	+ 4
6029	0	+ .93	+125	1.0	+ 36
6038	- 6	+ .88	+ 88	1.0	- 34
6057	- 8	+ .72	+ 99	1.0	- 13
6180	+ 4	- .91	0	1.0	- 11
6188	+ 4	- .95	0	1.0	- 11
6192	- 3	- .96	0	1.0	- 11
6407	0	+ .86	- 70	0.8	+ 38
6414	+ 2	+ .81	-102	1.0	- 23
6416	- 3	+ .78	-118	0.8	- 53
6543	+ 3	- .90	-188	1.0	- 8
6552	+ 8	- .95	-163	1.0	+ 39
6555	+ 4	- .96	-173	0.7	+ 21

(645) BS 5667 15h 9m.5 -41° 7'

J.D.	h	P	m	p	v
	min				
5460	+ 6	- .96	0	0.6	-".017
5666	+ 5	+ .92	+25	0.8	+ 41
5685	0	+ .79	-12	1.0	- 28
5694	+ 7	+ .70	+28	1.0	+ 47
5695	- 9	+ .69	+10	1.0	+ 13
5813	+ 8	- .90	0	0.7	- 21
5822	+ 2	- .95	+ 8	0.7	- 6
5824	+ 3	- .95	+22	0.6	+ 21
6028	- 3	+ .94	+20	1.0	+ 28
6038	- 4	+ .89	-24	1.0	- 55
6055	- 4	+ .75	-24	1.0	- 55
6057	- 6	+ .73	- 4	1.0	- 17
6190	+ 4	- .95	+27	1.0	+ 26
6191	0	- .96	0	0.7	- 24
6415	0	+ .79	+11	1.0	+ 8
6422	0	+ .73	+20	1.0	+ 24
6545	+ 5	- .91	+17	0.5	+ 4
6558	0	- .97	+17	0.6	+ 4

(646) BS 6055 16h 8m.9 -53° 34'

J.D.	h	P	m	p	v
	min				
5452	- 4	- .83	0	0.6	+".017
5465	0	- .93	-24	0.8	- 28
5466	- 2	- .94	0	0.7	+ 17
5474	0	- .97	- 5	0.8	+ 8
5678	0	+ .95	0	1.0	- 17
5685	0	+ .92	+ 6	1.0	- 6
5686	- 3	+ .91	+18	1.0	+ 17
5687	0	+ .91	+12	1.0	+ 6
5688	- 3	+ .91	+41	1.0	+ 60
5830	0	- .93	- 6	1.0	- 6
5832	+ 2	- .94	-40	0.7	- 70
5834	- 2	- .95	- 8	1.0	- 9
6042	- 2	+ .96	0	0.7	- 30
6049	- 4	+ .93	+ 8	1.0	- 15
6052	- 6	+ .91	+ 4	1.0	- 23
6055	- 8	+ .89	+20	1.0	+ 8
6190	+10	- .90	+10	1.0	+ 11
6201	+ 8	- .95	+12	0.6	+ 15
6206	+ 4	- .98	0	1.0	- 8
6207	+ 8	- .98	+40	0.7	+ 68

(647) ζ TrAu 16h 17m.7 -69° 52'

J.D.	h	P	m	p	v
	min				
5466	- 5	- .93	-121	0.6	+".047
5475	- 2	- .97	-163	0.6	- 32
5480	+ 2	- .99	-132	0.7	+ 26
5678	0	+ .96	0	0.7	- 6
5697	- 5	+ .86	0	0.8	- 6
5700	- 3	+ .84	+ 19	0.8	+ 30
5701	+ 2	+ .83	- 4	1.0	- 13
5833	+ 9	- .93	- 57	0.7	- 38
5836	+ 3	- .95	- 33	1.0	+ 8
5840	- 7	- .97	- 49	0.8	- 23
6049	0	+ .94	+ 60	0.7	- 96
6055	- 4	+ .91	+115	0.8	+ 8
6056	- 8	+ .90	+131	0.7	+ 38
6064	-10	+ .85	+116	1.0	+ 9
6193	+ 6	- .91	+101	0.6	+ 62
6202	+ 9	- .95	+ 33	0.6	- 66
6208	0	- .97	+ 71	0.8	+ 6
6210	0	- .99	+ 75	0.7	+ 13
6415	0	+ .93	+235	1.0	+ 36
6439	+ 2	+ .75	+209	1.0	- 13
6561	+ 5	- .92	+172	0.6	- 8

(648) β Arae 17h 17m.0 -55° 26'

J.D.	h	P	m	p	v
	min				
4595	+ 3	+ .98	+46	0.8	+".017
4597	0	+ .97	+40	1.0	+ 6
4609	0	+ .92	+ 4	0.8	- 62
4629	- 9	+ .74	+37	1.0	0
4746	0	- .91	-39	0.8	- 77
4751	+ 5	- .94	+16	1.0	+ 26
4759	+ 3	- .98	0	0.8	- 4
4965	+ 6	+ .96	+36	0.8	+ 32
4972	0	+ .93	+42	1.0	+ 43
4984	+ 4	+ .84	+30	1.0	+ 21
5104	+ 7	- .85	+ 8	1.0	+ 49
5112	+ 4	- .92	-17	0.8	+ 2
5124	+ 4	- .97	-11	0.8	+ 13
5125	0	- .98	-29	0.8	- 21
5339	+ 7	+ .92	-31	0.8	- 53
5347	+ 4	+ .86	-22	1.0	- 36
5355	+ 5	+ .79	0	0.8	+ 6
5359	+ 6	+ .75	0	1.0	+ 6

(649) BS 6682 17h 50m.7 -41° 42'

J.D.	h	P	m	p	v
	min				
5491	+10	- .95	- 3	0.6	-".023
5501	+ 9	- .99	+34	0.7	+ 47
5701	0	+ .98	-12	0.7	- 19
5850	0	- .91	+12	1.0	+ 6
5852	- 5	- .92	0	1.0	- 17
5857	0	- .95	0	1.0	- 17
5858	+ 3	- .96	+14	0.8	+ 9
6064	0	+ .98	0	0.7	+ 6
6077	-10	+ .93	0	0.6	+ 6
6083	- 7	+ .89	+16	0.8	+ 36
6219	0	- .93	-15	0.8	- 41
6224	+ 3	- .96	0	0.6	- 13
6437	- 3	+ .96	0	1.0	+ 6
6454	0	+ .84	+ 3	1.0	+ 11
6455	+ 3	+ .83	-32	0.7	- 55
6571	0	- .83	+17	0.7	+ 24
6573	0	- .85	+21	0.6	+ 32

(650) BS 6840 $18^h 11^m.6$ $-3°2'$

J.D.	h	P	m	p	v
	min				
5726	+ 3	+ .86	-34	1.0	-".028
5728	+ 3	+ .85	-11	1.0	+ 15
5730	- 5	+ .82	-15	0.8	+ 8
5852	+10	- .88	- 7	1.0	+ 24
5854	+ 8	- .90	0	1.0	+ 38
5869	+ 8	- .98	+ 9	0.8	+ 55
6076	+ 2	+ .96	-15	0.6	- 19
6078	0	+ .95	-26	0.8	- 39
6088	- 4	+ .89	-34	1.0	- 55
6224	0	- .93	-35	1.0	- 56
6225	+ 7	- .94	-39	0.8	- 64
6232	+ 5	- .97	0	0.8	+ 9
6236	+ 7	- .99	- 9	1.0	- 8
6437	- 2	+ .98	+35	1.0	+ 47
6441	+ 5	+ .96	+ 9	1.0	- 2
6460	+ 3	+ .83	- 6	1.0	- 30
6462	+ 4	+ .80	+56	1.0	+ 86

(651) ζ Tele $18^h 21^m.1$ $-49°7'$

J.D.	h	P	m	p	v
	min				
5507	0	- .99	- 66	0.8	+".011
5719	0	+ .93	- 26	1.0	- 21
5725	+ 4	+ .89	0	0.7	+ 28
5727	+ 4	+ .87	- 26	0.7	- 21
5730	- 2	+ .84	- 39	1.0	- 45
5862	+ 2	- .94	+ 13	1.0	+ 28
5867	- 2	- .96	- 9	0.7	- 13
5874	+ 9	- .99	0	1.0	+ 4
6085	- 2	+ .92	+ 74	0.6	+ 36
6094	-10	+ .86	+ 48	1.0	- 13
6233	0	- .96	+ 75	1.0	+ 11
6238	+ 8	- .99	+ 88	0.8	+ 36
6438	+ 2	+ .98	+144	1.0	+ 38
6441	+ 2	+ .98	+129	1.0	+ 9
6468	- 5	+ .77	+133	0.8	+ 17
6587	+ 2	- .91	+149	1.0	+ 19
6595	+ 5	- .95	+115	0.8	- 45
6602	+ 5	- .98	+103	0.8	- 68

(652) BS 6944 $18^h 25^m.6$ $-18°28'$

J.D.	h	P	m	p	v
	min				
5724	+10	+ .91	+56	0.6	+".098
5728	+ 9	+ .87	-22	1.0	- 49
5731	+ 5	+ .84	+ 9	0.8	+ 9
5734	- 9	+ .82	+10	1.0	+ 11
5738	- 8	+ .78	0	1.0	- 8
5864	+ 3	- .95	+19	1.0	+ 58
5869	+ 4	- .97	0	0.7	+ 23
5873	+ 8	- .98	-41	1.0	- 55
5875	+ 3	- .99	-25	1.0	- 24
6088	- 2	+ .91	-30	0.8	- 41
6094	- 6	+ .86	0	0.7	+ 15
6229	+ 4	- .95	-48	1.0	- 39
6232	+10	- .96	0	1.0	+ 51
6233	+ 3	- .96	-30	1.0	- 6
6239	+ 9	- .99	+14	0.8	+ 77
6241	+ 7	- .99	-75	0.7	- 90
6438	+ 3	+ .98	-22	0.7	+ 2
6454	0	+ .91	-51	1.0	- 53
6459	+ 5	+ .87	+ 8	0.7	+ 58
6468	+ 3	+ .78	-13	0.8	+ 19

(653) λ CorA $18^h 36^m.9$ $-38°25'$

J.D.	h	P	m	p	v
	min				
4629	+ 4	+ .91	-14	1.0	-".043
4633	0	+ .89	0	1.0	- 17
4634	+ 7	+ .88	+13	0.7	+ 8
4636	0	+ .86	+22	1.0	+ 24
4756	- 3	- .83	-19	0.6	- 17
4765	+ 2	- .91	0	1.0	+ 19
4769	0	- .93	+15	0.8	+ 47
4772	0	- .95	-25	1.0	- 28
4984	+ 3	+ .97	+23	0.7	+ 30
4990	- 2	+ .94	+20	0.8	+ 24
5126	+ 5	- .88	-22	1.0	- 15
5136	+ 3	- .94	-20	0.7	- 11
5145	0	- .98	-34	0.8	- 38
5146	+ 5	- .99	+ 4	1.0	+ 34
5359	+ 3	+ .92	+15	1.0	+ 23
5362	+ 9	+ .90	0	1.0	- 6
5364	0	+ .89	+28	1.0	+ 47
5369	+ 2	+ .84	-37	1.0	- 75

(654) 23 Aqil $19^h 13^m.5$ $+0°54'$

J.D.	h	P	m	p	v
	min				
4775	- 4	- .91	- 48	0.5	-".045
4786	0	- .97	0	0.7	+ 45
4997	- 4	+ .94	+ 25	0.7	+ 41
5006	- 2	+ .89	0	0.7	- 6
5008	+ 3	+ .88	0	0.8	- 6
5149	+ 2	- .96	+ 13	1.0	+ 49
5154	0	- .97	- 39	0.7	- 49
5375	+ 6	+ .86	+ 10	0.7	- 8
5377	+10	+ .84	- 15	1.0	- 55
5380	- 6	+ .82	0	0.7	- 26
5504	0	- .90	0	0.7	+ 2
5507	- 2	- .92	- 22	0.8	- 39
5724	+ 4	+ .97	+ 29	0.7	+ 4
5725	+ 2	+ .96	+ 49	1.0	+ 41
5729	+ 4	+ .94	- 12	1.0	- 73
5731	+ 6	+ .93	+ 81	0.8	+ 102
5862	+ 5	- .84	+ 30	1.0	+ 36
5873	+ 3	- .92	+ 5	0.7	- 11
5882	+ 4	- .96	0	1.0	- 21

(655) BS 7587 $19^h 48^m.7$ $-59°10'$

J.D.	h	P	m	p	v
	min				
5024	0	+ .81	-35	0.8	-".008
5025	- 8	+ .80	-42	1.0	- 21
5509	- 2	- .86	-45	1.0	- 21
5514	- 4	- .90	+17	0.7	+ 96
5523	- 8	- .95	-45	1.0	- 21
5728	- 3	+ .97	+23	1.0	+ 66
5738	- 4	+ .93	+29	0.6	+ 77
5740	-10	+ .92	-30	0.8	- 34
5745	- 2	+ .88	0	1.0	+ 23
5890	- 6	- .95	-68	1.0	- 79
6094	- 2	+ .97	-12	0.8	- 17
6095	- 4	+ .97	-53	1.0	- 94
6097	- 4	+ .96	+25	1.0	+ 53
6103	+ 4	+ .93	-18	0.6	- 28
6240	- 5	- .86	0	1.0	+ 32
6246	+ 5	- .91	-24	1.0	- 13
6249	- 2	- .92	- 9	0.8	+ 15
6255	0	- .95	0	0.8	+ 32
6461	- 4	+ .97	+10	0.8	+ 8
6463	0	+ .96	0	0.8	- 11

(656) φ Capr 21h 9.9m −21° 4′

J.D.	h	P	m	p	v
	min				″
4678	− 4	+ .80	0	1.0	+ .013
4681	− 5	+ .77	0	1.0	+ 13
4682	+ 7	+ .76	− 37	1.0	− 56
4683	− 3	+ .73	+ 17	0.8	+ 45
4791	+ 3	− .77	− 26	1.0	− 17
4804	0	− .87	− 16	0.6	+ 2
4814	+ 3	− .92	− 30	0.6	− 24
5021	+ 4	+ .94	− 31	0.8	− 66
5025	+ 7	+ .93	+ 25	1.0	+ 39
5157	+ 2	− .77	− 6	1.0	+ 4
5174	+ 3	− .90	+ 77	0.7	+ 160
5177	+ 5	− .91	− 20	1.0	− 23
5383	+ 4	+ .95	+ 21	0.7	+ 13
5388	0	+ .93	− 20	0.6	− 64
5525	+ 8	− .80	− 34	1.0	− 73
5533	+ 2	− .86	0	1.0	− 9
5543	+ 3	− .92	+ 14	0.7	+ 17
5754	+ 2	+ .93	+ 57	1.0	+ 56
5762	+ 4	+ .89	+ 22	0.8	− 9
5765	+ 2	+ .86	+ 18	0.8	− 17

(657) θ Indi 21h 12.7m −53° 52′

J.D.	h	P	m	p	v
	min				″
5392	0	+ .92	− 56	0.6	+ .008
5525	+ 10	− .79	− 71	1.0	+ 11
5752	+ 4	+ .94	0	1.0	+ 24
5756	+ 8	+ .93	− 20	0.8	− 13
5759	+ 9	+ .91	− 46	1.0	− 62
5772	+ 3	+ .82	0	1.0	+ 24
5899	+ 5	− .86	− 29	1.0	+ 6
5906	+ 7	− .89	− 21	1.0	+ 21
5914	+ 14	− .93	− 59	0.8	− 51
6116	0	+ .94	+ 38	1.0	+ 13
6125	− 6	+ .90	+ 40	1.0	+ 17
6251	+ 5	− .74	− 22	0.8	− 70
6267	0	− .88	+ 26	0.8	+ 21
6270	+ 7	− .89	− 6	1.0	− 39
6277	0	− .93	+ 58	1.0	+ 81
6480	0	+ .95	+ 77	1.0	− 4
6481	+ 2	+ .94	+ 62	1.0	− 32
6489	− 3	+ .91	+ 99	0.6	+ 38

(658) π² Grus 22h 17.0m −46° 26′

J.D.	h	P	m	p	v
	min				″
5056	− 4	+ .83	−312	0.8	− .039
5412	0	+ .88	−153	0.7	+ 24
5416	− 2	+ .86	−164	1.0	+ 4
5418	+ 6	+ .85	−185	0.8	− 36
5552	0	− .84	−129	1.0	+ 8
5557	+ 6	− .88	−103	0.8	+ 56
5560	0	− .89	−164	0.6	− 58
5772	0	+ .91	− 53	1.0	− 24
5776	+ 5	+ .90	− 17	0.7	+ 43
5903	+ 9	− .73	0	0.8	+ 15
5910	+ 10	− .80	0	1.0	+ 15
6266	0	− .71	+168	1.0	+ 96
6283	+ 2	− .85	+ 53	0.7	− 128
6288	+ 2	− .88	+116	0.8	− 15
6491	0	+ .94	+226	0.7	+ 26
6506	+ 5	+ .90	+243	1.0	+ 49
6634	+ 3	− .74	+219	1.0	− 53
6641	− 4	− .80	+262	0.8	+ 28
6858	− 3	+ .94	+345	1.0	+ 4
6868	0	+ .91	+321	1.0	− 41

(659) σ Pegs 22h 47.3m +9° 18′

J.D.	h	P	m	p	v
	min				″
5039	+ 2	+ .93	+ 35	0.6	+ .021
5053	+ 5	+ .89	+ 39	0.8	+ 28
5058	0	+ .86	+ 28	1.0	+ 8
5548	+ 6	− .74	− 53	0.8	− 55
5552	0	− .78	− 13	1.0	+ 21
5781	+ 5	+ .90	+ 17	1.0	− 30
5910	+ 4	− .71	− 27	1.0	− 11
5920	− 7	− .81	− 16	0.8	+ 9
5923	0	− .82	− 29	0.8	− 15
6142	0	+ .92	+ 9	0.8	− 53
6278	+ 3	− .74	− 16	0.8	+ 2
6286	0	− .81	− 5	0.7	+ 23
6508	+ 2	+ .91	+ 61	1.0	+ 39
6523	0	+ .83	+ 48	1.0	+ 15
6662	+ 3	− .87	− 7	0.7	+ 19
6875	0	+ .91	+ 48	0.7	+ 8
6877	+ 2	+ .90	+ 57	0.7	+ 24
6883	0	+ .87	+ 23	1.0	− 39

(660) π Pscᴬ 22h 58.0m −35° 17′

J.D.	h	P	m	p	v
	min				″
5059	− 4	+ .88	− 31	0.6	+ .075
5412	+ 4	+ .92	− 44	0.8	− 21
5416	0	+ .91	− 37	1.0	− 8
5548	+ 3	− .71	− 81	0.7	− 43
5551	+ 2	− .75	− 50	1.0	+ 15
5779	+ 5	+ .92	0	0.8	− 13
5915	+ 4	− .74	+ 4	0.7	+ 43
5924	0	− .81	− 52	1.0	− 62
5927	+ 5	− .83	0	1.0	+ 36
6140	+ 2	+ .93	+ 48	1.0	0
6149	+ 6	+ .90	+ 32	0.8	− 30
6277	+ 3	− .70	+ 40	1.0	+ 36
6299	+ 6	− .87	0	1.0	− 39
6509	0	+ .92	+ 85	1.0	0
6657	0	− .83	+ 52	1.0	− 15
6658	+ 4	− .83	+ 31	1.0	− 55
6659	+ 4	− .84	+ 98	1.0	+ 71
6660	0	− .85	+ 62	0.8	+ 4
6868	0	+ .93	+132	0.7	+ 13
6872	0	+ .92	+131	0.8	+ 11
6874	0	+ .92	+123	1.0	− 4

(661) μ Scul 23h 35.4m −32° 38′

J.D.	h	P	m	p	v
	min				″
5053	+ 2	+ .93	+180	0.8	− .034
5412	− 5	+ .93	+170	0.6	+ 34
5413	0	+ .93	+146	0.8	− 11
5564	0	− .77	+118	1.0	+ 11
5571	− 5	− .82	+105	0.8	− 13
5779	+ 2	+ .93	+121	0.7	+ 30
5922	− 6	− .70	+105	1.0	+ 71
5924	+ 5	− .72	+ 65	1.0	− 4
6145	0	+ .93	+ 57	1.0	0
6158	0	+ .90	+ 45	0.7	− 23
6292	0	− .74	+ 19	0.8	+ 2
6300	− 6	− .81	+ 6	1.0	− 23
6305	+ 4	− .84	0	0.6	− 34
6306	0	− .85	0	0.6	− 34
6508	− 3	+ .93	0	1.0	− 24
6509	0	+ .93	+ 22	0.8	+ 17
6657	− 4	− .74	− 30	0.6	− 6
6659	− 2	− .76	− 25	1.0	+ 4
6664	+ 4	− .80	− 26	1.0	+ 2
6874	+ 2	+ .93	− 24	1.0	+ 19
6876	+ 4	+ .93	− 15	0.8	+ 36
6879	+ 3	+ .93	− 54	0.8	− 38

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e. I	μα from Plates
		h m	° '				″	″	″	″	″
662	κ I Scul	0 4.3	-28 33	16	5.46	F2	.073	+ .017	± .008	± .026	+ .065
663	ι Ceti	0 14.3	- 9 23	48	3.75	K0	.037	+ .018	8	28	- .019
664	ν Horo	2 46.8	-63 13	188	5.39	A0	.060	- .004	9	29	+ .070
665	κ Ceti	3 14.1	+ 3 0	- 518	4.96	G5	.283	+ .104	9	30	+ .269
666	10 Taur	3 31.8	+ 0 5	- 572	4.40	G5	.535	+ .060	9	28	- .261
667	γ Dora	4 13.4	-51 44	1066	4.36	F5	.202	+ .069	7	23	+ .076
668	ξ Erid	4 18.7	- 3 59	- 818	5.23	A2	.070	- .016	9	34	- .067
669	52 Orio	5 42.6	+ 6 25	1027	5.27	A3	.025	+ .026	8	23	- .033
670	π^2 Colm	6 4.8	-42 8	2351	5.48	A0	.015	+ .012	8	28	- .006
671	BS 2196	6 6.1	-62 8	582	5.05	K0	.075	+ .008	10	31	+ .020
672	BS 2275	6 15.0	- 2 54	1564	5.18	Ma	.006	+ .011	7	25	- .015
673	ν^3 CMaj	6 33.5	-18 9	1492	4.65	K0	.012	+ .008	8	27	- .038
674	BS 2851	7 22.7	+ 7 9	1729	5.34	A5	.044	+ .003	7	23	+ .002
675	9 Hyda	8 37.1	-15 35	2554	4.98	K0	.098	+ .023	9	32	+ .004
676	BS 3520	8 46.3	-44 56	4861	5.02	A2	.009	+ .008	5	18	+ .005
677	BS 3863	9 37.6	-57 32	2228	5.36	A2	.046	+ .039	9	31	- .033
678	BS 4257	10 49.4	-58 19	2834	3.88	K0	.068	+ .053	10	32	+ .073
679	PGC 2986	11 13.2	- 4 31	3049	7.34	K0	.806	+ .064	11	38	+ .833
680	BS 4739	12 22.0	-58 26	4289	5.43	Mb	.015	+ .004	7	24	- .012
681	BS 4788	12 29.3	-44 7	+ 7755	5.86	G5	.241	+ .017	5	16	- .069
682	θ Virg	13 4.8	- 5 0	+ 3430	4.44	A0	.054	+ .020	10	33	- .031
683	BS 5041	13 17.3	-64 1	+ 2732	4.50	G0	.049	- .003	6	24	+ .032
684	76 Virg	13 27.7	- 9 39	3711	5.43	G5	.050	+ .018	11	39	- .025
685	BS 5172	13 40.3	-50 56	8017	4.68	K0	.030	+ .014	6	20	+ .011
686	τ^2 Lupi	14 19.7	-44 56	9323	4.49	F8	.018	- .002	6	24	+ .029
687	BS 5546	14 47.9	-59 42	5753	5.24	K0	.184	+ .027	5	19	- .113
688	16 Libr	14 52.0	- 3 56	3696	4.59	F0	.189	+ .036	7	22	- .081
689	BS 5607	14 58.8	-40 41	9257	5.28	K0	.019	+ .015	6	21	+ .030
690	ν^1 Lupi	15 15.2	-47 34	9922	5.06	F8	.195	+ .027	3	13	- .137
691	ω Lupi	15 31.3	-42 14	10601	4.27	K5	.171	+ .012	6	24	- .137
692	ω Serp	15 45.2	+ 2 30	3007	5.33	K0	.065	+ .031	8	27	+ .037
693	ι^1 Norm	15 55.4	-57 30	7500	4.87	A2	.147	+ .017	7	25	- .118
694	ε Ophi	16 13.0	- 4 27	4086	3.34	K0	.088	+ .038	10	30	+ .066
695	BS 6136	16 23.5	+ 0 53	3529	5.47	K2	.075	- .004	7	25	+ .022
696	λ Ophi	16 25.9	+ 2 12	3118	3.85	A0	.094	+ .031	6	21	- .028
697	BS 6204	16 36.6	-66 55	3009	5.30	A0p	.025	+ .001	8	26	+ .008
698	λ Arae	17 32.7	-49 21	11616	4.84	F5	.209	+ .040	5	18	+ .090
699	BS 6693	17 52.7	-30 15	15035	5.27	K5	.025	+ .005	7	28	+ .026
700	BS 6694	17 52.7	-30 14	15035	7.00	K5		+ .007	6	21	+ .010
701	7 Sgtr	17 56.7	-24 17	13793	5.49	A5	.016	+ .002	6	23	- .010
702	1 Sgtr	18 5.6	-23 43	14047	5.13	K0	.039	+ .010	5	19	+ .010
703	ξ Aqil	19 49.4	+ 8 12	4261	4.86	K0	.130	+ .003	8	30	+ .105
704	θ^2 Sgtr	19 53.4	-34 58	- 13832	5.34	A3	.117	+ .028	6	24	+ .113
705	γ Micr	20 55.2	-32 39	16353	4.71	G5	.010	+ .029	8	32	- .005
706		20 55.5	-32 55	- 15343	10.2	K2		+ .023	10	37	+ .251
707	ε Micr	21 11.9	-32 35	16498	4.79	A0	.069	+ .029	8	28	+ .065
708	BS 8987	23 37.3	-16 0	6345	5.44	K2	.025	+ .010	8	27	- .006
709	BS 9046	23 49.4	-40 51	15285	6.01	F8	.365	+ .038	9	28	+ .360

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
662	- 62	+ 46	.317	- 31	- 62	.219	+ 39	- 23	.226	+ 74	+ 19	.238	10.9	5793	+ .0067
663	- 65	+ 61	.262	- 26	- 28	.308	+ 32	- 45	.238	+ 90	+ 17	.192	10.6	5574	- 712
664	- 76	+ 34	.230	+ 13	- 65	.341	+ 15	+ 50	.213	+ 45	+ 18	.216	10.8	5976	- 250
665	- 58	+ 39	.192	- 29	+ 53	.192	- 14	- 42	.290	+ 62	- 18	.326	11.3	5988	+ 1338
666	- 58	+ 40	.247	- 16	- 17	.253	+ 28	- 45	.252	+ 46	+ 22	.248	11.9	5136	- 660
667	- 19	- 48	.276	- 19	+ 48	.176	+ 1	- 26	.232	+ 26	+ 35	.316	10.7	5998	- 262
668	- 88	- 23	.140	- 41	+ 42	.184	+ 17	- 52	.370	+ 44	+ 48	.306	10.8	5142	- 491
669	- 58	- 14	.179	- 45	+ 7	.324	+ 45	+ 38	.292	+ 57	- 53	.205	10.6	5905	+ 262
670	- 54	- 62	.077	- 52	+ 6	.324	+ 7	- 8	.213	+ 50	+ 12	.386	11.5	5912	- 187
671	- 71	- 1	.107	- 24	+ 38	.409	- 2	- 23	.239	+ 72	- 40	.245	10.8	5913	- 243
672	- 44	+ 25	.289	- 44	- 56	.244	+ 44	- 18	.233	+ 56	+ 45	.234	10.8	6280	+ 195
673	- 58	+ 24	.161	- 30	+ 37	.327	- 12	- 54	.173	+ 62	- 20	.339	10.6	4945	- 878
674	- 51	- 1	.262	+ 11	- 20	.426	+ 27	+ 28	.312				10.7	4952	- 273
675	- 70	+ 6	.274	- 28	- 51	.222	+ 48	+ 40	.291	+ 55	- 9	.213	10.7	6084	+ 85
676	- 35	+ 10	.228	- 17	- 8	.238	+ 6	- 17	.219	+ 34	+ 11	.315	10.8	6086	- 748
677	- 60	+ 20	.198	- 53	- 32	.273	+ 50	- 2	.256	+ 50	+ 19	.273	10.2	5729	- 91
678	- 39	- 24	.267	- 34	+ 29	.300	+ 28	- 10	.251	+ 76	+ 1	.182	9.4	5031	+ 896
679	- 87	+ 13	.233	- 33	- 60	.236	+ 26	+ 64	.293	+ 85	- 33	.238	10.4	5987	*
680	- 43	+ 28	.300	- 27	- 36	.165	+ 22	- 20	.305	+ 46	+ 15	.230	11.3	6006	+ 423
681	- 36	- 24	.192	- 34	+ 35	.376	+ 43	- 54	.152	+ 47	- 2	.280	11.4	6003	+ 287
682	- 73	+ 27	.227	- 54	- 58	.310	+ 69	+ 49	.206	+ 75	+ 7	.257	11.9	5798	+ 861
683	- 38	+ 60	.294	- 23	- 55	.208	- 7	- 45	.205	+ 59	+ 10	.293	10.2	6015	- 271
684	- 79	- 65	.282	- 59	+ 49	.193	+ 53	+ 54	.234	+ 73	- 12	.291	10.8	6164	- 80
685	- 74	- 28	.174	- 31	+ 16	.159	+ 13	- 25	.380	+ 45	+ 41	.287	11.4	6016	+ 116
686	- 53	+ 12	.380	- 22	- 34	.184	+ 53	- 30	.223	+ 58	+ 39	.213	10.9	6175	+ 230
687	- 45	- 46	.201	- 29	+ 47	.265	+ 5	- 37	.290	+ 62	+ 30	.244	10.8	6184	- 95
688	- 67	+ 16	.240	- 57	- 5	.239	+ 56	- 47	.279	+ 59	+ 43	.242	11.2	6180	- 139
689	- 41	- 8	.233	- 37	+ 16	.217	+ 27	- 12	.308	+ 38	+ 9	.242	11.3	6185	- 1292
690	- 57	+ 40	.289	- 17	- 48	.191	+ 25	+ 4	.281	+ 54	- 16	.239	10.6	6412	+ 98
691	- 42	+ 19	.230	- 16	- 47	.252	+ 15	+ 44	.249	+ 37	- 13	.269	10.2	6194	- 67
692	- 72	- 18	.144	- 21	- 7	.352	+ 34	+ 20	.373	+ 38	- 19	.131	11.6	6191	+ 657
693	- 35	+ 40	.338	- 18	- 66	.297	+ 35	+ 11	.215	+ 65	+ 25	.150	9.7	5828	+ 387
694	- 77	- 66	.053	- 66	+ 41	.407	+ 38	- 23	.319	+ 84	- 26	.221	11.8	5107	- 391
695	- 43	+ 2	.193	- 36	- 1	.193	+ 9	- 41	.294	+ 40	+ 37	.320	11.3	6207	+ 407
696	- 34	- 3	.300	- 3	- 54	.282	+ 7	+ 63	.247	+ 54	+ 3	.171	11.1	5110	+ 805
697	- 52	- 26	.292	- 47	+ 40	.160	+ 19	+ 57	.203	+ 55	- 30	.345	11.0	5695	- 690
698	- 23	+ 2	.263	- 11	+ 62	.238	+ 16	- 57	.261	+ 19	- 2	.238	11.0	6064	- 676
699	- 61	+ 34	.268	- 54	- 34	.211	+ 48	+ 12	.267	+ 60	- 20	.254	9.9	5120	+ 297
700	- 61	+ 34	.268	- 55	- 34	.211	+ 47	+ 12	.267	+ 59	- 20	.254	9.9	5120	- 2552
701	- 58	+ 28	.236	- 13	- 60	.253	+ 26	+ 53	.244	+ 39	- 17	.267	10.2	4981	- 88
702	- 37	+ 50	.209	- 19	- 39	.328	+ 4	- 20	.261	+ 65	+ 37	.202	11.1	6084	+ 9
703	- 41	- 40	.247	- 30	+ 42	.380	+ 57	- 17	.373				11.4	5886	- 1619
704	- 33	+ 1	.453	+ 22	- 53	.324	+ 37	+ 75	.223				11.0	6100	+ 978
705	- 31	+ 57	.259	- 16	- 17	.534	+ 78	- 27	.207				10.7	5902	- .289
706	- 87	- 5	.281	- 33	- 6	.186	+ 48	- 15	.255	+ 65	+ 24	.278	11.5:	5907	- 512
707	- 61	- 31	.295	- 41	+ 44	.169	+ 45	+ 62	.196	+ 48	- 31	.340	11.8	6118	+ 31
708	- 75	+ 57	.247	- 51	- 8	.116	+ 37	- 64	.211	+ 39	+ 1	.426	11.1	6303	- 517
709	- 75	- 58	.258	- 58	+ 55	.159	+ 30	+ 34	.292	+ 68	- 13	.291	11.5	6162	+ 312

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
662	15.7	+ 7.54	212.6	+ 1.69	+ 0.66	11.42	11.24	+ .0027	+ .1987	+ .0103	- .00039	+ .00095	+ .00090
663	16.4	+ 3.69	463.3	+ 2.66	- 11.39	12.04	11.30	+ 122	- 1333	+ 161	+ 65	- 27	+ 94
664	14.6	+ 13.60	334.2	+ 0.84	- 4.00	9.70	9.58	- 214	+ 3096	- 81	- 241	+ 102	- 21
665	17.8	+ 0.15	246.5	+ 3.33	+ 2.27	12.58	11.92	+ 254	+ 9787	+ 796	+ 35	+ 392	+ 555
666	17.0	- 5.71	111.3	+ 3.67	+ 4.54	12.06	10.97	- 350	- 3857	+ 64	- 402	- 380	+ 319
667	16.6	- 7.26	357.6	+ 1.74	+ 0.82	12.31	12.12	+ 350	+ 3818	+ 498	+ 221	+ 110	+ 366
668	20.7	+ 20.77	730.2	+ 2.48	+ 10.34	15.56	15.17	+ 229	- 6780	- 183	+ 219	- 98	- 87
669	13.0	- 1.76	100.3	+ 1.42	+ 4.31	8.97	8.62	- 16	- 419	+ 99	- 34	- 48	+ 139
670	16.8	- 3.49	108.9	+ 1.10	+ 1.23	11.82	11.73	+ 181	- 120	+ 86	+ 102	- 8	+ 64
671	13.1	- 3.08	84.7	- 0.99	+ 1.62	8.92	8.83	- 51	+ 264	+ 46	- 29	+ 29	+ 43
672	18.0	- 22.32	313.1	- 1.54	- 1.71	12.17	11.99	- 160	- 439	+ 90	- 110	- 22	+ 57
673	16.4	+ 10.35	107.0	- 3.44	+ 1.63	12.37	11.51	+ 105	- 476	+ 5	+ 108	- 56	+ 42
674	14.5	+ 1.91	104.4	- 3.60	+ 3.36	10.88	9.85	+ 140	+ 61	- 19	+ 99	+ 4	+ 14
675	19.3	- 0.74	453.1	- 2.72	+ 0.85	14.05	13.67	- 33	+ 243	+ 170	0	+ 5	+ 121
676	16.2	+ 1.94	403.3	- 3.47	- 8.06	11.65	10.76	+ 83	+ 267	+ 25	+ 60	+ 7	+ 45
677	18.1	+ 25.08	338.9	- 2.88	+ 1.05	12.04	11.50	+ 142	- 1148	+ 195	+ 178	- 48	+ 209
678	16.3	- 2.38	191.4	- 2.40	+ 15.04	11.06	9.58	- 424	+ 2514	+ 520	- 203	+ 107	+ 282
679	19.6	+ 12.43	650.9	- 0.65	+ 18.88	13.56	12.94	+ 140	+ 1497	+ 480	+ 76	+ 1212	+ 342
680	17.7	+ 8.92	307.6	- 1.39	+ 3.51	12.30	12.13	- 126	- 584	+ 31	- 61	- 17	+ 23
681	15.6	+ 11.21	249.4	+ 0.41	- 1.81	10.47	10.44	- 325	- 2662	+ 106	- 139	- 100	+ 89
682	17.6	+ 3.79	847.6	- 1.71	+ 42.17	12.72	10.41	- 28	- 3392	- 57	+ 4	- 45	+ 106
683	20.4	+ 5.19	422.7	- 0.94	- 2.87	14.33	14.27	+ 84	+ 1981	- 43	+ 28	+ 46	- 19
684	17.4	- 26.79	926.1	- 0.34	+ 16.92	12.86	12.55	+ 27	- 3137	+ 59	- 39	- 37	+ 93
685	17.0	- 5.00	290.3	- 1.28	- 1.90	12.79	12.69	- 49	+ 451	+ 94	- 19	+ 16	+ 73
686	19.4	+ 10.55	602.9	- 0.65	+ 1.51	14.72	14.70	+ 128	+ 2558	- 15	+ 43	+ 42	- 13
687	19.0	- 4.51	549.6	- 0.73	- 1.11	14.47	14.44	- 64	- 9056	+ 228	- 67	- 165	+ 142
688	14.8	+ 14.73	416.1	+ 0.07	+ 8.49	9.76	9.59	+ 85	- 4469	+ 85	+ 174	- 117	+ 189
689	16.8	- 6.58	231.0	- 0.17	+ 9.00	12.49	12.14	+ 166	+ 1018	+ 138	+ 117	+ 44	+ 81
690	19.5	- 6.94	359.5	- 0.05	+ 1.33	15.12	15.12	- 514	- 6901	+ 194	- 334	- 199	+ 145
691	17.7	- 2.12	133.8	- 2.31	+ 1.06	14.83	14.53	- 316	- 2631	+ 118	- 194	- 200	+ 64
692	15.2	- 4.01	168.9	+ 3.59	- 9.39	11.78	10.50	- 357	+ 869	+ 49	- 259	+ 54	+ 164
693	17.0	+ 7.03	105.9	- 2.02	- 2.77	14.58	14.30	- 27	- 1802	+ 163	+ 66	- 172	+ 89
694	12.7	- 1.76	104.5	- 3.06	+ 4.50	9.95	9.05	+ 60	+ 1080	+ 212	+ 109	+ 96	+ 202
695	16.9	+ 3.15	181.1	+ 0.22	+ 2.00	14.22	14.20	- 200	+ 540	- 27	- 124	+ 32	- 22
696	15.2	+ 4.94	104.2	- 4.29	+ 0.87	12.34	11.08	- 23	- 391	+ 181	+ 45	- 41	+ 165
697	13.7	+ 17.14	167.5	- 1.36	- 4.30	11.77	11.59	- 52	+ 102	+ 11	- 52	+ 12	+ 8
698	16.4	- 3.98	107.9	+ 0.43	+ 0.40	14.06	14.05	+ 430	+ 1318	+ 317	+ 289	+ 132	+ 213
699	17.2	+ 2.09	116.0	- 2.17	+ 2.61	14.23	13.89	- 125	+ 426	+ 70	- 73	+ 37	+ 31
700	17.2	+ 2.09	116.0	- 2.17	+ 2.61	14.23	13.89	+ 110	+ 191	+ 42	+ 67	+ 14	+ 37
701	18.0	+ 1.38	126.8	+ 2.35	+ 2.38	15.10	14.75	+ 36	- 180	+ 18	+ 19	- 15	+ 11
702	16.4	- 2.43	184.2	- 0.62	- 1.98	14.44	14.40	- 45	+ 275	+ 76	- 26	+ 15	+ 54
703	17.0	- 10.36	296.7	0.00	+ 5.40	14.16	14.06	+ 76	+ 4409	+ 106	+ 138	+ 153	+ 16
704	16.9	- 6.30	373.6	+ 1.98	+ 8.41	14.20	13.74	+ 456	+ 6065	+ 414	+ 313	+ 164	+ 151
705	18.8	- 4.03	171.7	+ 0.12	- 0.30	15.19	15.19	- 702	+ 9	+ 229	- 376	- 8	+ 154
706	17.6	- 4.46	171.5	+ 0.75	- 0.20	14.38	14.35	+ 371	+ 6140	+ 190	+ 298	+ 366	+ 121
707	16.5	+ 3.96	448.1	+ 1.34	- 12.63	12.74	12.25	+ 131	+ 4081	+ 80	+ 44	+ 95	+ 152
708	16.7	- 10.34	494.0	+ 3.65	- 5.21	12.07	11.25	+ 103	- 542	+ 86	+ 43	- 9	+ 53
709	13.4	+ 5.50	352.0	+ 2.10	- 5.44	9.63	9.19	- 515	+ 1.8003	- 223	- 632	+ 524	+ 203

(662) κ^{I} Scul $0^h\ 4^m.3$ $-28°33'$

J.D.	h	P	m	p	v
	min				″
5076	- 8	+ .88	- 52	0.6	+ .023
5196	0	- .66	- 59	0.8	+ 15
5217	+ 3	- .83	- 72	0.7	- 9
5434	+ 2	+ .91	- 17	0.8	+ 24
5571	+ 3	- .76	- 42	0.8	- 21
5581	+ 9	- .83	- 28	0.8	+ 6
5789	0	+ .93	+ 7	1.0	+ 2
5790	+ 3	+ .93	0	0.8	- 11
5794	0	+ .93	+ 13	1.0	+ 13
5798	- 5	+ .91	- 24	1.0	- 56
5941	0	- .79	- 5	1.0	- 15
5943	+ 4	- .82	0	0.8	- 6
6155	0	+ .93	+ 39	1.0	0
6159	+ 8	+ .93	+ 63	1.0	+ 45
6166	- 9	+ .90	+ 20	1.0	- 36
6299	+ 3	- .73	0	1.0	- 70
6302	+ 2	- .76	+ 50	0.8	+ 24
6310	+ 9	- .83	+ 91	0.8	+ 102

(663) ι Ceti $0^h\ 14^m.3$ $-9°23'$

J.D.	h	P	m	p	v
	min				″
4706	+ 6	+ .91	+ 34	0.8	- .008
4710	0	+ .89	+ 57	1.0	+ 36
4711	- 2	+ .89	+ 39	0.8	+ 2
4713	+ 6	+ .88	+ 46	1.0	+ 15
5217	+ 3	- .82	- 20	1.0	- 55
5567	0	- .69	- 36	0.7	- 66
5571	0	- .74	+ 34	0.7	+ 66
5576	0	- .77	- 1	0.6	0
5581	+ 4	- .81	+ 2	0.8	+ 6
5798	+ 6	+ .92	- 15	1.0	- 45
5804	- 2	+ .90	- 6	1.0	- 28
5940	+ 2	- .76	+ 12	1.0	+ 43
5943	+ 8	- .79	+ 31	0.8	+ 79
5950	+ 4	- .84	- 22	0.6	- 21
5951	+ 6	- .84	- 35	1.0	- 45
6155	0	+ .93	- 8	1.0	- 13
6158	- 4	+ .93	- 29	0.6	- 53
6165	0	+ .92	+ 21	1.0	+ 41
6167	- 7	+ .91	+ 17	1.0	+ 34

(664) ν Horo $2^h\ 46^m.8$ $-63°13'$

J.D.	h	P	m	p	v
	min				″
5481	+ 4	+ .93	- 78	1.0	- .006
5500	0	+ .80	- 90	0.7	- 28
5509	+ 4	+ .71	- 46	0.8	+ 55
5601	+ 6	- .66	- 62	1.0	- 2
5612	+ 2	- .77	- 40	1.0	+ 39
5849	+ 3	+ .92	- 68	1.0	- 55
5853	+ 8	+ .89	0	0.8	+ 73
5972	+ 5	- .72	- 39	1.0	- 32
5979	+ 6	- .80	- 36	1.0	- 26
6206	0	+ .95	- 3	0.7	- 2
6217	0	+ .90	- 33	0.8	- 58
6338	0	- .73	+ 4	1.0	- 21
6346	+ 3	- .80	+ 46	0.8	+ 58
6703	0	- .73	+ 31	1.0	- 38
6704	0	- .73	+ 81	0.6	+ 56
6928	+ 2	+ .97	+ 66	0.6	- 11
6946	-10	+ .91	+ 96	0.8	+ 45

(665) κ Ceti $3^h\ 14^m.1$ $+3°\ 0'$

J.D.	h	P	m	p	v
	min				″
5507	+ 2	+ .81	-156	1.0	- .030
5511	0	+ .77	-117	1.0	+ 43
5515	- 3	+ .72	-147	0.8	- 13
5613	+ 4	- .72	-186	1.0	- 4
5616	0	- .75	-175	1.0	+ 17
5627	+ 4	- .85	-231	0.8	- 88
5836	0	+ .98	0	0.7	- 2
5850	- 4	+ .95	- 5	1.0	- 11
5854	- 9	+ .93	0	1.0	- 2
5862	+ 2	+ .89	+ 15	1.0	+ 26
5985	0	- .79	- 7	1.0	+ 66
5990	+ 8	- .83	0	0.8	+ 79
6213	0	+ .96	+130	1.0	- 28
6337	- 2	- .65	+ 61	1.0	- 79
6345	- 3	- .74	+ 92	1.0	- 21
6347	+ 2	- .76	+118	1.0	+ 28
6572	+ 6	+ .97	+293	1.0	+ 11
6575	+ 6	+ .97	+317	0.7	+ 56
6595	+ 9	+ .86	+272	1.0	- 28

(666) 10 Taur $3^h\ 31^m.8$ $+0°\ 5'$

J.D.	h	P	m	p	v
	min				″
4775	0	+ .87	+133	1.0	+ .024
4780	+ 3	+ .82	+136	0.8	+ 30
4785	+ 3	+ .77	+109	0.8	- 21
4790	- 4	+ .72	+112	1.0	- 15
4889	0	- .74	+ 26	0.8	- 4
4892	+ 4	- .78	+ 31	1.0	+ 6
4893	0	- .79	0	1.0	- 53
4896	+ 2	- .81	+ 77	0.7	+ 92
5125	+ 3	+ .96	- 28	0.6	- 30
5133	0	+ .92	- 39	1.0	- 51
5140	+ 4	+ .87	0	1.0	+ 23
5147	+ 2	+ .81	- 21	0.7	- 17
5243	+ 3	- .62	- 80	0.7	+ 58
5256	0	- .77	-105	1.0	+ 11
5265	+ 7	- .85	-141	1.0	- 56
5266	0	- .85	-122	0.6	- 21
5481	+ 4	+ .98	-154	1.0	- 23
5483	+ 2	+ .98	-172	0.7	- 56
5489	0	+ .96	- 95	0.8	+ 88
5496	+ 2	+ .93	-126	0.8	+ 30

(667) γ Dora $4^h\ 13^m.4$ $-51°44'$

J.D.	h	P	m	p	v
	min				″
5157	+ 2	+ .81	- 71	0.8	- .056
5268	+ 4	- .80	- 95	0.8	- 13
5270	- 4	- .82	- 79	0.7	+ 17
5508	+ 3	+ .93	+ 8	0.7	+ 15
5509	+ 6	+ .92	+ 25	0.8	+ 47
5511	+ 5	+ .91	- 2	0.8	- 4
5523	+ 9	+ .80	+ 5	0.8	+ 9
5643	+ 4	- .88	- 20	0.8	+ 55
5864	- 5	+ .97	+ 12	0.8	- 60
5990	+ 7	- .72	- 9	1.0	- 4
5997	0	- .78	0	1.0	+ 13
6007	- 2	- .87	0	0.6	+ 13
6229	+ 4	+ .97	+ 83	0.7	+ 2
6244	0	+ .89	+100	0.8	+ 34
6347	0	- .61	+ 28	1.0	- 11
6365	0	- .81	- 3	1.0	- 70
6371	+ 3	- .86	+ 43	1.0	+ 17
6587	0	+ .99	+156	0.8	+ 62
6595	+ 3	+ .96	+117	1.0	- 11
6600	+ 5	+ .94	+110	0.7	- 24

(668) ξ Erid $4^h 18^m.7$ $-3°59'$

J.D.	h	P	m	p	v
	min				
4515	+ 4	- .51	+103	0.8	+".028
4532	+ 2	- .73	+ 56	1.0	- 60
4549	+ 5	- .90	+ 50	0.6	- 71
4550	+ 8	- .90	+102	0.8	+ 26
4764	0	+ .99	+ 81	1.0	+ 58
4765	- 6	+ .98	+ 88	1.0	+ 71
4769	- 4	+ .97	+ 33	1.0	- 32
4774	- 4	+ .96	+ 90	1.0	+ 75
4889	0	- .63	+ 43	0.8	- 17
4902	0	- .79	+ 8	0.7	- 83
4912	+ 8	- .87	+ 47	0.8	- 9
5129	+ 6	+ .99	- 19	1.0	- 62
5143	0	+ .94	0	0.8	- 26
5145	+ 4	+ .93	- 22	1.0	- 68
5150	+ 5	+ .89	+ 39	1.0	+ 47
5256	+ 6	- .65	0	1.0	+ 43
5265	+ 2	- .76	- 8	1.0	+ 28
5270	+ 2	- .81	- 12	0.8	+ 21
5990	+10	- .69	- 54	0.8	+ 2
6010	+ 7	- .89	- 27	1.0	+ 53
6228	+ 2	+ .98	- 81	0.8	+ 23
6236	+ 4	+ .95	-119	1.0	- 49
6240	+ 5	+ .93	-117	1.0	- 45

(669) 52 Orio $5^h 42^m.6$ $+6°25'$

J.D.	h	P	m	p	v
	min				
5531	0	+ .93	+38	0.6	+".024
5547	- 2	+ .77	+23	0.7	- 4
5548	0	+ .77	+41	0.7	+ 30
5549	-10	+ .76	+18	0.7	- 13
5640	0	- .66	+14	0.7	+ 32
5644	- 3	- .71	0	0.7	+ 6
5645	+ 2	- .72	-18	0.6	- 28
5663	+ 4	- .90	+22	0.8	+ 47
5893	- 2	+ .95	-17	0.6	- 49
5918	0	+ .71	-31	0.8	- 75
6019	- 3	- .81	-18	0.7	+ 6
6028	+ 4	- .89	-13	0.8	+ 15
6029	- 6	- .90	-62	0.8	- 77
6036	+ 2	- .95	-15	0.6	+ 11
6256	+ 3	+ .95	+ 6	0.8	+ 30
6265	- 4	+ .90	0	0.8	+ 19
6276	0	+ .79	+ 9	0.8	+ 36
6277	+ 6	+ .78	-10	0.8	0

(670) π^2 Colm $6^h 4^m.8$ $-42° 8'$

J.D.	h	P	m	p	v
	min				
5546	+ 4	+ .84	+22	0.6	+".008
5550	+ 4	+ .80	+18	0.7	0
5551	- 2	+ .78	+40	1.0	+ 41
5553	- 3	+ .77	-19	1.0	- 70
5651	+ 2	- .73	0	0.8	- 13
5657	+ 3	- .80	-21	0.6	- 53
5662	+ 4	- .85	+45	0.7	+ 71
5673	+ 8	- .93	+17	1.0	+ 19
5903	0	+ .91	+25	1.0	+ 17
5910	+ 5	+ .85	0	1.0	- 30
5923	0	+ .71	+33	1.0	+ 32
6023	0	- .81	- 6	0.7	- 17
6030	- 5	- .87	- 4	1.0	- 13
6035	+ 6	- .91	-32	1.0	- 66
6039	+ 8	- .94	+41	0.7	+ 71
6040	0	- .94	+13	1.0	+ 19
6265	- 2	+ .94	+45	0.7	+ 62
6273	+ 2	+ .87	-17	0.8	- 55
6276	+ 4	+ .85	0	0.8	- 23
6292	- 2	+ .66	+28	0.7	+ 30

(671) BS 2196 $6^h 6^m.1$ $-62° 8'$

J.D.	h	P	m	p	v
	min				
5551	+ 4	+ .78	+ 46	0.8	+".105
5553	+ 2	+ .77	- 51	1.0	- 77
5560	- 3	+ .69	0	0.6	+ 19
5650	0	- .71	- 18	0.7	- 9
5654	+ 3	- .76	- 7	0.8	+ 11
5663	+ 4	- .86	- 26	0.6	- 24
5676	+ 4	- .95	- 10	0.8	+ 6
5903	+ 6	+ .91	- 4	0.7	- 11
5923	+ 4	+ .71	- 14	1.0	- 30
6023	+ 5	- .81	- 27	0.7	- 45
6030	0	- .87	- 31	0.8	- 53
6036	- 2	- .92	0	0.6	+ 6
6040	+ 3	- .94	+ 15	1.0	+ 34
6042	0	- .95	+ 22	0.8	+ 47
6274	+ 2	+ .86	+ 25	0.6	+ 26
6277	+ 2	+ .83	+ 43	0.8	+ 60
6292	+ 6	+ .66	- 20	0.8	- 58

(672) BS 2275 $6^h 15^m.0$ $-2°54'$

J.D.	h	P	m	p	v
	min				
5560	+ 4	+ .71	+22	0.8	+".026
5567	- 3	+ .63	+26	1.0	+ 34
5651	+ 9	- .70	-32	1.0	- 55
5662	0	- .82	+29	1.0	+ 60
5683	+ 2	- .97	- 5	0.8	- 4
5910	+ 7	+ .87	-49	1.0	- 96
5922	+ 2	+ .75	+10	1.0	+ 15
6030	+ 2	- .86	-13	1.0	- 4
6046	+ 8	- .96	-18	1.0	- 13
6266	+ 2	+ .94	-16	1.0	- 17
6276	0	+ .87	+ 4	1.0	+ 21
6298	+ 5	+ .62	-11	0.8	- 8
6386	0	- .76	0	0.8	+ 34
6396	+ 3	- .86	0	0.8	+ 34
6401	+ 5	- .90	-31	1.0	- 24
6629	- 2	+ .95	+20	0.6	+ 64
6631	+ 3	+ .94	-16	1.0	- 4
6746	0	- .70	-24	0.8	+ 2
6749	+ 4	- .73	-27	1.0	- 4
6763	0	- .86	-42	0.6	- 32

(673) ν^3 CMaj $6^h 33^m.5$ $-18° 9'$

J.D.	h	P	m	p	v
	min				
4576	+ 9	- .87	+63	0.8	+".068
4594	- 2	- .98	+13	0.7	- 26
4595	+ 5	- .98	+62	1.0	+ 66
4813	+ 6	+ .91	+23	0.7	+ 2
4820	- 2	+ .86	+22	1.0	0
4823	0	+ .83	-13	1.0	- 66
4935	0	- .81	-30	0.7	- 68
4945	+ 3	- .90	0	1.0	- 11
4947	0	- .92	-30	1.0	- 68
4954	- 2	- .96	0	1.0	- 11
5185	0	+ .86	+ 4	1.0	+ 8
5187	+ 3	+ .84	+ 8	1.0	+ 15
5195	+ 2	+ .76	0	0.6	0
5198	0	+ .72	+20	1.2	+ 38
5285	+ 6	- .64	+ 8	0.7	+ 38
5307	+ 4	- .88	-17	1.0	- 9
5312	+ 2	- .92	-13	1.0	- 2
5316	+ 2	- .94	- 2	1.0	+ 17

(674) BS 2851 7h 22.7m +7° 9'

J.D.	h	P	m	p	v
	min				″
4596	- 3	- .94	+29	0.8	+ .039
4598	+ 7	- .94	+ 4	1.0	- 8
4600	+ 6	- .96	- 8	0.8	- 30
4601	0	- .96	+32	0.8	+ 45
4823	- 9	+ .92	- 2	0.7	- 24
4840	- 5	+ .77	+12	1.0	+ 2
4848	0	+ .67	+18	0.8	+ 13
4849	- 9	+ .65	-17	0.7	- 53
4945	+ 2	- .80	+ 5	0.8	- 8
4949	- 2	- .84	-22	0.8	- 58
4961	+ 4	- .93	+18	0.8	+ 17
5193	+ 3	+ .88	+21	1.0	+ 17
5198	+ 4	+ .83	+ 2	1.0	- 19
5213	0	+ .67	+50	0.6	+ 71
5318	+ 2	- .87	+38	0.8	+ 55
5329	+ 4	- .95	+17	0.6	+ 15
5339	+ 5	- .99	+ 3	0.7	- 11
5341	+ 6	- .99	-19	0.8	- 53

(675) 9 Hyda 8h 37.1m -15° 35'

J.D.	h	P	m	p	v
	min				″
5362	+ 3	- .97	- 10	0.6	+ .011
5364	0	- .97	+ 3	0.8	+ 36
5584	+ 2	+ .78	+ 17	1.0	+ 21
5586	+ 5	+ .77	- 5	1.0	- 21
5593	+ 2	+ .69	- 5	1.0	- 21
5696	+ 8	- .81	- 9	1.0	+ 8
5708	+ 3	- .91	- 39	1.0	- 49
5714	+ 2	- .94	- 22	1.0	- 17
5718	+ 4	- .95	+ 25	0.8	+ 71
5943	0	+ .84	+ 6	1.0	- 6
5949	+ 5	+ .79	+ 15	1.0	+ 11
6078	+ 5	- .93	- 49	0.8	- 71
6091	+ 3	- .97	0	0.6	+ 21
6312	- 3	+ .81	+ 13	0.8	+ 6
6323	+ 7	+ .69	- 23	0.8	- 62
6438	+ 4	- .90	+ 28	1.0	+ 70
6672	0	+ .85	+ 50	0.7	+ 71
6685	0	+ .74	+ 67	0.8	+ 103
6688	+ 6	+ .70	- 33	0.8	- 85
6798	+ 2	- .86	- 38	1.0	- 58
6803	+ 4	- .90	0	1.0	+ 13
6817	0	- .96	- 15	0.8	- 15

(676) BS 3520 8h 46.3m -44° 56'

J.D.	h	P	m	p	v
	min				″
5340	+ 8	- .87	+ 14	0.6	+ .032
5350	+ 2	- .93	+ 15	1.0	+ 34
5355	0	- .95	0	0.7	+ 6
5582	+ 3	+ .83	+ 7	0.8	+ 4
5583	0	+ .82	- 19	0.6	- 45
5601	- 2	+ .61	+ 14	1.0	+ 17
5714	+ 3	- .92	+ 4	0.7	+ 9
5947	+ 6	+ .83	- 7	0.8	- 30
5956	+ 6	+ .74	0	0.8	- 17
6078	+ 7	- .91	- 20	1.0	- 41
6093	+ 2	- .97	- 20	1.0	- 41
6325	+ 2	+ .70	0	1.0	- 21
6332	+ 8	+ .61	+ 26	1.0	+ 28
6449	+ 4	- .94	+ 10	0.8	+ 11
6454	- 2	- .96	0	0.8	- 8
6689	+ 5	+ .71	+ 34	1.0	+ 39
6802	+ 3	- .87	+ 20	1.0	+ 24
6813	+ 5	- .94	0	0.8	- 13
6817	0	- .95	+ 7	0.8	0

(677) BS 3863 9h 37.6m -57° 32'

J.D.	h	P	m	p	v
	min				″
5004	+ 3	- .93	+22	0.6	- .023
5244	- 2	+ .66	+70	0.8	+ 28
5371	0	- .95	-20	0.8	- 66
5376	+ 4	- .95	- 4	1.0	- 36
5596	+ 5	+ .80	+27	1.0	- 21
5613	0	+ .61	+62	1.0	+ 45
5614	-10	+ .60	+31	1.0	- 13
5721	0	- .88	+42	0.8	+ 83
5727	+ 2	- .91	- 7	1.0	- 9
5731	0	- .93	0	1.0	+ 4
5738	+ 2	- .95	+27	1.0	+ 55
5972	+ 3	+ .69	+37	1.0	+ 32
5973	+ 6	+ .67	+22	1.0	+ 4
6107	0	- .95	-53	0.7	- 62
6323	0	+ .82	+29	1.0	+ 47
6337	+ 5	+ .69	-40	0.8	- 83
6344	0	+ .60	-26	1.0	- 56
6449	+ 5	- .86	0	1.0	+ 68
6454	+ 8	- .90	-53	0.8	- 32
6459	+ 2	- .92	-39	0.8	- 6

(678) BS 4257 10h 49.4m -58° 19'

J.D.	h	P	m	p	v
	min				″
4532	+ 2	+ .66	0	0.6	+ .105
4537	- 2	+ .58	- 52	0.8	+ 8
4641	- 2	- .84	-104	1.0	- 34
4648	+ 3	- .88	- 99	1.0	- 24
4653	0	- .91	- 82	1.0	+ 8
4655	- 2	- .91	- 88	1.0	- 4
4892	+ 4	+ .70	- 47	0.7	- 58
4894	0	+ .68	+ 13	1.0	+ 55
5022	+ 4	- .92	- 78	0.8	- 58
5031	+ 2	- .93	- 67	0.8	- 38
5035	- 5	- .94	- 5	0.7	+ 79
5036	+ 2	- .94	- 44	0.8	+ 6
5244	0	+ .82	+ 25	1.0	0
5248	+ 4	+ .79	- 11	1.0	- 68
5267	- 2	+ .59	+ 5	0.8	- 38
5395	+ 2	- .94	0	0.8	+ 15
5398	- 5	- .94	+ 35	0.7	+ 81
5615	+ 3	+ .77	+ 98	0.8	+ 66
5616	+ 5	+ .76	+ 46	1.0	- 32

(679) PGC 2986 11h 13.2m -4° 31'

J.D.	h	P	m	p	v
	min				″
5024	+ 4	- .89	+ 22	0.7	+ .105
5042	- 3	- .94	- 40	0.7	- 11
5271	0	+ .62	+ 47	0.8	+ 49
5388	+ 3	- .89	- 39	0.8	- 15
5395	0	- .92	- 42	0.8	- 21
5403	+ 2	- .93	- 23	1.0	+ 15
5614	- 3	+ .82	0	1.0	- 58
5615	0	+ .82	+ 6	1.0	- 47
5773	+10	- .94	- 39	0.8	- 24
5985	+ 5	+ .79	- 9	0.8	- 79
5989	+10	+ .74	+ 38	1.0	+ 9
6139	0	- .94	- 4	1.0	+ 34
6344	- 4	+ .83	+ 9	1.0	- 53
6353	0	+ .76	+ 58	1.0	+ 39
6362	+ 4	+ .67	+ 69	1.0	+ 60
6489	0	- .92	- 80	0.8	- 115
6501	+ 2	- .93	- 1	1.0	+ 34
6711	+ 3	+ .81	+107	1.0	+ 124
6723	+ 3	+ .72	+ 9	1.0	- 60
6731	+ 5	+ .63	+ 54	0.8	+ 24
6851	+ 4	- .90	- 15	0.6	- 4
6853	+ 8	- .91	- 20	1.0	- 13

(680) BS 4739 $12^h 22^m.0$ $-58°26'$

J.D.	h	P	m	p	v
	min				″
5034	-10	-.84	+33	0.6	+.045
5404	0	-.87	0	1.0	- 4
5410	0	-.90	- 6	1.0	- 15
5640	- 3	+.77	- 5	0.7	- 13
5641	+ 3	+.76	+18	1.0	+ 30
5775	0	-.90	-23	1.0	- 36
6001	- 4	+.80	-18	0.6	- 26
6007	+ 4	+.75	-30	1.0	- 49
6008	+ 5	+.74	0	0.7	+ 8
6009	- 3	+.73	+30	1.0	+ 64
6146	+ 3	-.92	-22	0.8	- 21
6155	+ 4	-.93	-15	0.7	- 8
6363	0	+.82	-28	1.0	- 34
6364	0	+.81	0	1.0	+ 19
6377	+ 3	+.70	-37	1.0	- 51
6380	+ 2	+.67	+12	0.8	+ 41
6508	- 5	-.91	0	1.0	+ 32
6511	0	-.92	-10	1.0	+ 13
6513	+ 4	-.92	+13	0.8	+ 56
6516	0	-.93	-37	1.0	- 38

(681) BS 4788 $12^h 29^m.3$ $-44°7'$

J.D.	h	P	m	p	v
	min				″
5036	0	-.84	+90	0.6	+.030
5416	+ 2	-.92	+50	0.8	+ 24
5650	+ 5	+.69	+28	1.0	+ 2
5651	- 3	+.68	+ 9	1.0	- 34
5776	+10	-.90	0	1.0	- 2
5997	0	+.84	0	0.7	+ 13
6001	- 2	+.82	0	1.0	+ 13
6006	0	+.78	-15	0.8	- 15
6009	0	+.75	-22	1.0	- 28
6147	+ 3	-.92	-57	1.0	- 39
6364	+ 2	+.83	-11	0.8	+ 62
6366	+ 2	+.82	-49	1.0	- 9
6386	0	+.63	-45	0.7	- 2
6387	+ 5	+.62	-39	0.8	+ 9
6507	+ 5	-.90	-75	0.8	- 4
6508	+ 4	-.91	-76	1.0	- 6
6513	+ 3	-.92	-76	0.6	- 6
6516	+ 3	-.92	-63	1.0	+ 19

(682) θ Virg $13^h 4^m.8$ $-5°0'$

J.D.	h	P	m	p	v
	min				″
4693	0	-.91	+24	0.6	-.030
4695	+ 3	-.92	+20	0.8	- 38
4698	+ 2	-.93	+38	1.0	- 4
4699	0	-.93	+20	0.8	- 38
4700	+ 4	-.94	+72	1.0	+ 60
5656	- 4	+.73	+61	0.7	+ 88
5658	-10	+.72	+40	0.7	+ 49
5659	- 9	+.70	+15	0.8	+ 2
5798	- 6	-.94	+30	0.8	+ 75
6005	0	+.85	-18	0.8	- 34
6008	0	+.84	-78	0.8	- 147
6013	- 6	+.80	+ 6	0.7	+ 11
6015	- 8	+.78	0	0.8	0
6159	+ 2	-.93	-30	0.7	- 9
6162	-10	-.94	-55	0.8	- 56
6384	- 2	+.75	+19	0.7	+ 73
6386	- 2	+.73	-44	0.7	- 45
6395	0	+.63	0	1.0	+ 38
6522	+ 2	-.92	-42	0.8	+ 2
6526	- 3	-.94	-49	0.8	- 11
6529	0	-.94	-33	0.8	+ 19
6746	0	+.78	-36	1.0	- 2

(683) BS 5041 $13^h 17^m.3$ $-64°1'$

J.D.	h	P	m	p	v
	min				″
5056	0	-.89	-23	0.6	+.030
5416	+ 4	-.86	-28	0.8	- 11
5431	0	-.93	-29	1.0	- 13
5655	+ 2	+.77	-28	1.0	- 24
5656	+ 5	+.76	+14	1.0	+ 55
5658	- 2	+.74	0	0.8	+ 28
5662	- 9	+.70	0	1.0	+ 28
5789	0	-.90	+ 5	0.8	+ 19
5794	+ 2	-.93	-17	1.0	- 23
5798	+ 2	-.93	-26	1.0	- 39
6008	0	+.87	+15	1.0	+ 28
6009	0	+.86	-31	1.0	- 58
6028	- 8	+.70	-12	0.8	- 23
6162	+ 5	-.93	- 7	1.0	- 36
6377	0	+.84	- 5	1.0	- 45
6380	0	+.81	+19	1.0	0
6398	0	+.65	+48	1.0	+ 55
6399	+ 5	+.64	0	1.0	- 36
6522	- 2	-.91	+45	0.8	+ 32
6526	+ 4	-.93	+53	1.0	+ 47
6889	+ 3	-.92	+41	0.8	- 9
6890	+ 8	-.93	+51	1.0	+ 9

(684) 76 Virg $13^h 27^m.7$ $-9°39'$

J.D.	h	P	m	p	v
	min				″
4700	+ 2	-.93	+18	1.0	-.043
4706	0	-.94	+35	1.0	- 11
4710	0	-.94	+86	1.0	+ 85
5644	- 3	+.88	+39	0.8	+ 30
5652	0	+.82	-22	1.0	- 85
5658	+ 4	+.77	+61	0.8	+ 71
6008	0	+.88	-51	0.8	- 113
6013	0	+.85	-35	0.8	- 83
6018	- 3	+.82	+35	0.7	+ 49
6028	+ 3	+.73	0	1.0	- 17
6161	+ 3	-.93	-28	0.8	- 30
6166	0	-.93	0	1.0	+ 23
6384	0	+.81	+34	0.7	+ 73
6387	+ 5	+.78	+46	0.8	+ 96
6526	+ 2	-.92	-43	1.0	- 34
6752	+ 3	+.78	0	0.8	+ 38
6768	+ 6	+.62	-26	1.0	- 11
6887	+ 4	-.90	-60	1.0	- 38
6894	+ 5	-.93	-25	0.8	+ 28
6897	+ 6	-.94	-27	0.6	+ 24

(685) BS 5172 $13^h 40^m.3$ $-50°56'$

J.D.	h	P	m	p	v
	min				″
5048	+ 6	-.80	-67	0.6	-.083
5060	- 2	-.88	-21	0.8	+ 4
5650	+ 5	+.86	-11	1.0	- 17
5654	0	+.83	0	0.6	+ 4
5655	+ 2	+.82	+ 5	1.0	+ 13
5656	- 3	+.82	+21	0.8	+ 43
5794	0	-.90	+15	0.8	+ 51
5798	+ 3	-.92	-11	0.8	+ 2
5799	+ 2	-.92	-14	0.7	- 4
6012	0	+.88	-17	0.7	- 41
6018	- 3	+.84	+29	0.7	+ 45
6019	- 4	+.83	0	0.8	- 9
6159	+ 2	-.90	+ 6	0.8	+ 24
6161	- 5	-.91	+10	1.0	+ 32
6165	0	-.93	- 6	1.0	+ 2
6379	- 2	+.87	0	0.8	- 19
6380	- 3	+.86	+21	1.0	+ 21
6407	+ 2	+.62	-12	0.8	- 41
6537	0	-.94	+ 6	0.8	+ 13
6539	0	-.95	-13	0.8	- 23
6540	+ 6	-.95	-27	0.7	- 49

(686) τ^2 Lupi 14h 19m.7 -44° 56'

J.D.	h	P	m	p	v
	min				"
5077	+ 4	- .93	-54	0.8	-.024
5084	+ 5	- .95	-16	1.0	+ 47
5662	+ 4	+ .86	0	1.0	+ 34
5666	+ 4	+ .83	0	0.8	+ 34
5670	+ 7	+ .80	-17	0.8	+ 2
5805	+ 8	- .92	- 3	0.8	+ 13
5812	0	- .94	-18	0.7	- 15
6029	+ 3	+ .85	-27	1.0	- 45
6039	+ 4	+ .77	-22	1.0	- 36
6175	+ 9	- .94	+ 6	1.0	0
6386	+ 3	+ .89	0	0.8	- 24
6407	+ 4	+ .74	- 5	0.8	- 34
6416	+ 4	+ .65	-16	1.0	- 55
6540	+ 3	- .94	+29	0.8	+ 17
6543	+ 4	- .95	- 8	0.7	- 53
6550	+ 7	- .95	0	0.6	- 38
6752	+ 8	+ .89	+62	1.0	+ 66
6761	+ 2	+ .84	+32	1.0	+ 9
6768	+ 6	+ .78	+56	0.8	+ 55
6898	+ 4	- .90	+45	1.0	+ 19
6900	+ 5	- .91	+42	1.0	+ 13
6901	+ 1	- .92	+35	1.0	0

(687) BS 5546 14h 47m.9 -59° 42'

J.D.	h	P	m	p	v
	min				"
5071	+ 3	- .85	+134	1.0	-.058
5439	+ 8	- .88	+114	0.8	+ 21
5444	+ 3	- .91	+114	1.0	+ 21
5662	+ 5	+ .90	+ 92	1.0	+ 4
5666	+ 3	+ .89	+101	1.0	+ 21
5685	+ 8	+ .74	+ 79	1.0	- 21
5819	- 8	- .94	+ 62	0.8	+ 41
6029	+ 2	+ .90	+ 29	1.0	+ 2
6052	+ 5	+ .71	+ 21	1.0	- 13
6181	+ 9	- .94	0	0.8	+ 38
6188	+10	- .96	- 47	0.8	- 51
6395	+ 3	+ .89	- 11	1.0	+ 38
6407	+ 6	+ .82	- 36	1.0	- 9
6412	+ 3	+ .78	- 21	1.0	+ 19
6546	0	- .94	- 69	0.8	+ 21
6555	+ 4	- .96	- 72	0.7	+ 15
6761	+ 4	+ .90	-108	1.0	- 26
6790	+10	+ .62	-105	0.7	- 21
6911	+10	- .94	-143	0.8	- 6
6913	+ 3	- .94	-150	0.8	- 19
6917	+ 5	- .96	-147	1.0	- 13

(688) 16 Libr 14h 52m.0 -3° 56'

J.D.	h	P	m	p	v
	min				"
5085	0	- .94	+126	0.6	-.004
5452	+ 3	- .94	+ 99	1.0	+ 26
5454	- 3	- .94	+ 72	0.7	- 24
5687	+ 7	+ .72	+106	1.0	+ 30
6046	+ 3	+ .79	+ 37	0.6	- 17
6055	- 8	+ .70	+ 23	1.0	- 43
6180	+10	- .93	0	1.0	0
6411	+ 2	+ .78	+ 17	1.0	+ 28
6416	+ 5	+ .74	- 14	1.0	- 30
6418	0	+ .72	- 10	1.0	- 23
6428	- 5	+ .60	0	1.0	- 4
6543	+ 5	- .92	- 24	0.6	+ 32
6768	+ 4	+ .86	- 7	0.7	+ 60
6792	+ 8	+ .61	- 31	1.0	+ 15
6898	+ 3	- .85	- 55	0.8	+ 55
6900	+ 5	- .87	-109	1.0	- 47
6907	- 2	- .91	-101	0.8	- 32

(689) BS 5607 14h 58m.8 -40° 41'

J.D.	h	P	m	p	v
	min				"
5445	+ 7	- .90	-34	0.8	-.011
5455	- 3	- .95	-34	0.6	- 11
5662	0	+ .93	-12	0.8	- 15
5685	+ 4	+ .77	-20	0.8	- 30
5813	+ 2	- .93	+13	1.0	+ 49
5816	+ 4	- .93	-16	0.8	- 6
6029	- 3	+ .91	+18	1.0	+ 13
6048	0	+ .79	0	0.8	- 21
6057	-10	+ .70	+33	1.0	+ 41
6176	+ 3	- .90	+ 7	1.0	+ 6
6187	+ 3	- .95	+38	0.6	+ 64
6191	+ 5	- .96	-35	0.7	- 73
6407	+ 2	+ .84	+25	0.8	- 6
6410	+ 6	+ .81	+ 9	0.7	- 36
6421	+ 5	+ .71	+28	1.0	0
6426	- 2	+ .65	+54	1.0	+ 49
6539	+ 3	- .88	0	0.8	- 39
6543	+ 3	- .90	+26	1.0	+ 9
6555	+ 5	- .96	+21	0.6	0
6761	0	+ .91	+37	1.0	- 15

(690) ν^1 Lupi 15h 15m.2 -47° 34'

J.D.	h	P	m	p	v
	min				"
5465	+10	- .97	+142	0.8	+.004
5466	+ 5	- .97	+160	0.8	+ 38
5666	+ 4	+ .93	+112	0.8	- 28
6039	0	+ .89	+ 43	1.0	- 15
6052	+ 6	+ .79	+ 52	1.0	+ 2
6057	+ 4	+ .75	+ 49	1.0	- 4
6183	+10	- .92	0	0.8	+ 6
6191	+ 5	- .95	0	0.8	+ 6
6195	- 3	- .97	0	0.8	+ 6
6407	0	+ .88	- 27	0.8	- 11
6414	0	+ .82	- 26	1.0	- 9
6415	+ 3	+ .82	- 8	1.0	+ 24
6546	0	- .91	- 74	0.8	+ 2
6558	+ 6	- .96	- 94	0.7	- 36
6559	+ 5	- .97	- 94	1.0	- 36
6761	- 3	+ .94	- 75	1.0	+ 36
6774	0	+ .88	- 96	0.8	- 4
6782	0	+ .80	- 88	0.8	+ 11
6789	0	+ .73	- 98	1.0	- 8
6898	+ 3	- .81	-144	1.0	0
6904	0	- .86	-137	0.8	+ 13
6907	- 4	- .88	-141	1.0	+ 6

(691) ω Lupi 15h 31m.3 -42° 14'

J.D.	h	P	m	p	v
	min				"
5700	0	+ .71	+ 76	0.8	-.017
5833	+ 5	- .97	+ 28	1.0	- 36
5835	+ 9	- .97	+ 76	1.0	+ 55
5836	+ 9	- .98	+ 43	1.0	- 8
5837	+10	- .98	+ 64	0.6	+ 32
6036	0	+ .93	0	0.7	- 30
6038	+ 2	+ .92	0	1.0	- 30
6049	0	+ .85	0	1.0	- 30
6050	+ 3	+ .85	+ 39	0.8	+ 43
6191	0	- .95	+ 3	0.7	+ 55
6193	+10	- .96	- 54	1.0	- 53
6197	0	- .97	- 15	1.0	+ 21
6398	- 3	+ .95	- 22	1.0	+ 64
6407	- 6	+ .90	- 34	0.6	+ 41
6411	+ 2	+ .88	- 64	1.0	- 15
6412	0	+ .87	- 64	1.0	- 15
6537	+ 4	- .81	- 94	0.8	+ 4
6548	+ 5	- .90	-112	1.0	- 30
6550	+ 2	- .91	-118	0.7	- 41
6552	0	- .93	- 86	1.0	+ 19

(692) ω Serp 15h 45m.2 +2° 30'

J.D.	h	P	m	p	v
	min				
5686	0	+ .87	-44	1.0	-".008
5697	+ 6	+ .78	-41	1.0	- 2
5700	+ 2	+ .74	0	0.8	+ 75
5832	+ 2	- .96	-73	0.8	- 23
5835	0	- .97	-55	0.6	+ 11
6038	0	+ .95	-79	0.8	- 113
6039	- 8	+ .94	-32	0.7	- 24
6049	- 2	+ .89	0	1.0	+ 36
6055	- 5	+ .84	-36	1.0	- 32
6190	- 4	- .93	-36	0.7	+ 8
6193	+ 2	- .95	-25	0.7	+ 28
6411	0	+ .90	+35	1.0	+ 66
6412	+ 2	+ .90	+12	0.8	+ 23
6428	+ 8	+ .76	-14	1.0	- 26
6540	0	- .81	-29	1.0	- 15
6552	+ 2	- .91	-30	0.8	- 17
6559	+ 3	- .95	-17	0.7	+ 8
6781	0	+ .88	+22	0.8	+ 4

(693) ι[1] Norm 15h 55m.4 -57° 30'

J.D.	h	P	m	p	v
	min				
5455	0	- .89	+71	0.6	+".021
5474	+ 2	- .98	+87	1.0	+ 51
5475	+ 4	- .98	0	0.8	- 113
5678	+ 3	+ .93	+42	1.0	+ 4
5685	+ 8	+ .90	+33	1.0	- 13
5687	+ 6	+ .88	+37	1.0	- 6
5688	0	+ .88	+60	1.0	+ 38
5822	0	- .90	0	0.8	+ 4
5824	+ 3	- .91	-14	0.7	- 23
5833	+ 3	- .96	+22	0.8	+ 45
5834	+ 5	- .96	0	1.0	+ 4
6038	- 2	+ .96	-14	1.0	+ 15
6039	+ 4	+ .96	-15	0.8	+ 13
6049	- 2	+ .90	-36	1.0	- 26
6050	- 4	+ .90	-45	0.7	- 43
6188	+ 3	- .90	-78	0.8	- 26
6189	0	- .91	-69	1.0	- 9
6193	+ 5	- .94	-74	1.0	- 19
6197	0	- .95	-38	1.0	+ 49

(694) ε Ophi 16h 13m.0 -4° 27'

J.D.	h	P	m	p	v
	min				
4609	- 2	+ .78	- 51	0.7	-".056
4730	+ 5	- .90	- 26	1.0	+ 32
4736	0	- .94	- 33	0.6	+ 19
4744	0	- .97	- 50	0.7	- 13
4746	+ 2	- .98	- 33	0.7	+ 19
4961	+ 4	+ .88	- 19	0.7	- 62
4972	0	+ .80	+ 55	0.7	+ 77
5104	+10	- .95	0	0.8	+ 15
5106	+ 4	- .96	- 4	0.8	+ 8
5110	+ 4	- .97	- 43	0.8	- 66
5330	+ 4	+ .86	+ 49	0.8	0
5336	+ 8	+ .81	+ 38	0.7	- 21
5339	+ 9	+ .78	+ 22	0.7	- 51
5347	0	+ .69	+103	0.8	+ 102
5451	+ 2	- .82	+ 30	0.6	+ 8
5462	+ 3	- .90	0	1.0	- 49
5474	+ 3	- .97	+ 52	0.6	+ 49

(695) BS 6136 16h 23m.5 +0° 53'

J.D.	h	P	m	p	v
	min				
5702	0	+ .83	-50	0.8	-".038
5705	- 8	+ .80	-36	0.8	- 11
5836	+ 9	- .95	0	1.0	+ 41
5839	+ 7	- .96	+ 3	1.0	+ 47
5846	0	- .99	-68	0.7	- 86
6050	+ 2	+ .94	+14	0.7	+ 62
6060	0	+ .88	-34	0.7	- 28
6062	+ 6	+ .86	+ 8	0.7	+ 51
6063	0	+ .86	-26	1.0	- 13
6197	+ 9	- .92	0	0.8	+ 21
6211	0	- .99	-21	0.6	- 19
6213	+ 8	- .99	0	0.8	+ 21
6412	+ 4	+ .95	0	0.8	+ 15
6416	+ 6	+ .93	-31	1.0	- 43
6428	+ 3	+ .86	-14	1.0	- 11
6559	+ 7	- .91	-34	0.8	- 68
6561	+ 8	- .91	+18	0.8	+ 30
6567	+ 4	- .95	+ 3	0.8	+ 2
6573	+ 5	- .97	-13	0.7	- 28
6778	+ 5	+ .95	+25	0.8	+ 38
6790	+ 3	+ .88	+10	0.6	+ 9

(696) λ Ophi 16h 25m.9 +2° 12'

J.D.	h	P	m	p	v
	min				
4730	+ 4	- .88	+29	0.6	+".047
4734	+ 4	- .91	+ 9	0.8	+ 9
4739	+ 4	- .93	0	0.7	- 8
4741	0	- .95	0	0.7	- 8
4951	+ 2	+ .96	-19	0.8	- 83
4977	+ 3	+ .79	+13	0.8	- 23
4979	- 3	+ .76	+33	1.0	+ 15
5108	+ 5	- .95	-17	1.0	- 9
5109	+ 4	- .96	-14	1.0	- 4
5111	0	- .97	+17	0.7	+ 55
5112	0	- .97	-12	0.7	0
5330	+ 3	+ .88	0	1.0	- 17
5336	+ 7	+ .84	+38	0.7	+ 55
5339	+ 6	+ .81	+10	0.7	+ 2
5347	+ 6	+ .73	+39	0.7	+ 56
5458	+ 5	- .85	-41	0.8	- 26
5479	+ 6	- .98	-42	0.8	- 28
5480	+ 5	- .98	-24	0.7	+ 6
5481	+ 5	- .99	-26	1.0	+ 2

(697) BS 6204 16h 36m.6 -66° 55'

J.D.	h	P	m	p	v
	min				
5117	+ 2	- .98	- 25	0.7	-".023
5350	- 2	+ .74	+ 14	1.0	+ 43
5480	+ 3	- .97	- 17	0.8	- 17
5481	- 2	- .98	- 7	1.0	+ 2
5689	0	+ .94	0	0.8	+ 9
5694	+ 3	+ .92	- 7	1.0	- 4
5701	0	+ .87	+ 11	1.0	+ 30
5837	0	- .93	0	0.8	+ 6
5844	+ 3	- .97	- 40	0.7	- 70
6049	- 3	+ .97	- 36	0.6	- 68
6056	0	+ .94	+ 26	0.7	+ 49
6062	- 2	+ .89	0	0.6	0
6067	- 8	+ .86	- 50	0.7	- 94
6196	0	- .90	+ 14	1.0	+ 26
6206	0	- .96	+ 24	1.0	+ 45
6211	0	- .98	+ 9	0.7	+ 17
6214	0	- .99	- 14	0.6	- 26

(698) λ Arae 17h 32m.7 −49° 21'

J.D.	h	P	m	p	v
	min				"
5701	+ 2	+ .96	+ 8	0.8	+ .011
5708	+ 2	+ .93	0	0.8	− 4
5719	+ 3	+ .84	0	1.0	− 4
5721	− 5	+ .82	− 5	0.8	− 13
5844	− 5	− .90	− 25	0.6	− 11
5846	+ 5	− .91	− 21	1.0	− 4
5854	+ 2	− .95	− 36	1.0	− 32
5857	+ 4	− .97	− 14	0.8	+ 9
5859	+ 7	− .98	+ 10	0.5	+ 55
6062	+ 5	+ .97	+ 52	0.7	+ 4
6063	0	+ .97	+ 43	1.0	− 13
6068	+ 3	+ .96	+ 66	0.8	+ 30
6210	+ 2	− .90	+ 40	0.7	+ 21
6213	+ 3	− .93	+ 30	1.0	+ 2
6218	0	− .95	+ 66	0.7	+ 70
6221	+ 4	− .97	0	0.8	− 55
6224	+ 6	− .98	+ 17	0.7	− 23
6438	+ 3	+ .93	+ 84	1.0	− 24
6441	+ 2	+ .91	+ 116	0.7	+ 36
6455	+ 2	+ .78	+ 93	1.0	− 8

(699) BS 6693 17h 52m.7 −30° 15'

J.D.	h	P	m	p	v
	min				"
4737	0	− .75	−25	0.6	− .002
4741	0	− .79	−14	1.0	+ 19
4759	0	− .94	−28	1.0	− 8
4760	− 2	− .95	+ 7	0.8	+ 58
4981	− 3	+ .94	0	0.8	+ 17
4983	− 5	+ .92	+12	1.0	+ 39
4984	− 5	+ .91	−57	1.0	− 90
4993	− 7	+ .84	0	1.0	+ 17
5110	0	− .83	−18	0.8	− 13
5117	− 2	− .89	−64	0.8	− 100
5125	0	− .95	0	0.7	+ 21
5129	− 3	− .96	−19	1.0	− 15
5339	0	+ .97	−15	0.8	− 38
5348	+ 2	+ .92	+36	1.0	+ 58
5350	+ 2	+ .91	+ 3	1.0	− 4
5355	+ 2	+ .87	− 5	0.8	− 19
5487	+ 5	− .92	+18	0.7	+ 26
5495	0	− .97	− 2	1.0	− 11
5498	0	− .98	+32	0.7	+ 53
5499	0	− .98	0	0.7	− 8

(700) BS 6694 17h 52m.7 −30° 14'

J.D.	h	P	m	p	v
	min				"
4737	0	− .75	0	0.6	+ .002
4741	0	− .79	0	1.0	+ 2
4759	0	− .94	− 22	1.0	− 39
4760	− 2	− .95	+ 16	0.8	+ 32
4981	− 3	+ .94	0	0.8	− 15
4983	− 5	+ .92	+ 20	1.0	+ 23
4984	− 5	+ .91	+ 33	1.0	+ 47
4993	− 7	+ .84	− 14	1.0	− 41
5110	0	− .83	+ 12	0.8	+ 17
5117	− 2	− .89	− 35	0.8	− 71
5125	0	− .95	0	0.7	− 6
5129	− 3	− .96	+ 26	1.0	+ 43
5339	0	+ .97	+ 10	0.8	− 8
5348	+ 2	+ .92	− 5	1.0	− 36
5350	+ 2	+ .91	+ 27	1.0	+ 24
5355	+ 2	+ .87	+ 12	0.8	− 4
5487	+ 5	− .92	− 4	0.7	− 23
5495	0	− .97	+ 16	1.0	+ 15
5498	0	− .98	0	0.7	− 15
5499	0	− .98	+ 27	0.7	+ 36

(701) 7 Sgtr 17h 56m.7 −24° 17'

J.D.	h	P	m	p	v
	min				"
4611	− 4	+ .96	+ 11	1.0	+ .006
4627	+ 2	+ .86	+ 11	0.8	+ 6
4628	0	+ .85	0	1.0	− 15
4634	− 4	+ .79	+ 37	0.8	+ 55
4744	− 5	− .82	+ 22	0.8	+ 34
4760	+ 3	− .94	− 17	0.8	− 39
4765	+ 3	− .96	0	0.8	− 8
4766	+ 3	− .97	0	0.8	− 8
4972	0	+ .98	− 19	1.0	− 41
4979	0	+ .95	− 14	1.0	− 32
4991	0	+ .87	+ 14	1.0	+ 21
5126	+ 3	− .95	0	1.0	+ 2
5133	+ 9	− .98	− 28	0.8	− 51
5134	+ 2	− .98	+ 7	1.0	+ 15
5136	0	− .99	+ 4	0.8	+ 9
5137	+ 3	− .99	+ 23	0.6	+ 45
5339	0	+ .98	+ 3	1.0	+ 9
5350	+ 9	+ .91	+ 35	1.0	+ 70
5362	+ 3	+ .81	− 7	1.0	− 9
5363	+ 4	+ .80	− 31	1.0	− 55

(702) 1 Sgtr 18h 5m.6 −23° 43'

J.D.	h	P	m	p	v
	min				"
5491	+10	− .93	− 5	0.6	+ .023
5503	+ 7	− .99	0	0.7	+ 32
5706	0	+ .98	+12	1.0	+ 30
5713	+ 6	+ .94	−15	1.0	− 21
5719	+ 4	+ .90	0	1.0	+ 8
5853	0	− .90	−29	1.0	− 36
5868	+ 8	− .98	0	0.8	+ 19
5869	+ 8	− .99	−13	0.8	− 6
6078	− 2	+ .94	−13	0.8	− 30
6087	+ 2	+ .88	− 7	1.0	− 19
6088	− 4	+ .87	− 9	0.8	− 23
6226	+ 8	− .95	+12	0.8	+ 36
6229	+ 7	− .97	−18	0.8	− 21
6235	+ 8	− .99	−22	1.0	− 28
6438	+ 4	+ .97	+32	0.7	+ 47
6441	+ 3	+ .96	+33	1.0	+ 49
6468	+ 4	+ .73	−12	0.8	− 36
6587	+ 7	− .93	0	0.8	− 2
6599	+ 8	− .99	+ 6	1.0	+ 9

(703) ξ Aqil 19h 49m.4 +8° 12'

J.D.	h	P	m	p	v
	min				"
5019	− 8	+ .85	−140	0.8	− .043
5020	− 3	+ .84	−100	0.8	+ 32
5514	+ 3	− .90	− 5	1.0	+ 73
5518	0	− .92	− 22	1.0	+ 41
5523	− 2	− .95	− 50	1.0	− 11
5524	− 3	− .95	− 67	1.0	− 43
5729	+ 2	+ .97	0	1.0	+ 11
5738	+ 2	+ .93	− 11	0.7	− 9
5740	− 5	+ .92	+ 18	1.0	+ 45
5749	− 9	+ .85	− 27	1.0	− 39
5874	− 5	− .86	+ 9	1.0	− 4
5890	0	− .95	− 16	0.7	− 51
5893	+ 3	− .96	− 34	0.7	− 85
6109	− 9	+ .89	+ 36	0.8	− 24
6242	0	− .88	+ 84	1.0	+ 30
6252	+ 4	− .94	+ 76	1.0	+ 15
6461	+ 4	+ .97	+106	0.7	+ 2
6471	+ 3	+ .91	+ 67	0.8	− 71
6476	+ 6	+ .88	+138	1.0	+ 62

(704) θ^2 Sgtr 19h 53m.4 -34° 58'

J.D.	h	P	m	p	v
	min				
5025	+ 4	+ .81	-144	0.6	-".021
5518	+ 6	- .91	- 74	0.8	+ 8
5523	+ 4	- .94	- 58	1.0	+ 38
5528	- 3	- .96	- 90	0.7	- 23
5728	+ 4	+ .97	- 31	1.0	- 32
5731	+ 4	+ .97	0	0.7	+ 26
5745	+ 9	+ .89	+ 5	1.0	+ 36
5751	0	+ .84	- 18	1.0	- 8
5873	+ 8	- .84	- 31	0.7	- 23
5893	+11	- .96	0	0.7	+ 36
6094	+ 4	+ .97	+ 20	0.7	- 47
6106	+ 3	+ .92	+ 50	0.8	+ 9
6252	+ 6	- .93	- 6	1.0	- 92
6256	+10	- .95	+ 64	1.0	+ 39
6475	+ 4	+ .89	+103	1.0	- 9
6480	0	+ .85	+125	1.0	+ 32
6610	+ 8	- .89	+121	0.6	+ 38
6613	0	- .91	+ 99	0.8	- 4
6826	+ 5	+ .97	+152	1.0	- 24
6837	+ 2	+ .91	+180	0.8	+ 28

(705) γ Micr 20h 55m.2 -32° 39'

J.D.	h	P	m	p	v
	min				
5391	+ 3	+ .90	+28	0.6	+".092
5403	0	+ .81	-45	1.0	- 45
5514	+ 4	- .73	-76	1.0	- 53
5525	+ 2	- .83	-64	1.0	- 30
5543	+ 3	- .93	-55	1.0	- 13
5742	- 2	+ .96	-21	1.0	+ 2
5749	0	+ .93	+10	1.0	+ 60
5753	0	+ .92	-40	0.8	- 34
5758	+ 2	+ .89	- 7	1.0	+ 28
5887	+ 4	- .81	-49	1.0	+ 4
5904	+ 4	- .92	-47	1.0	+ 8
5906	+ 7	- .92	0	1.0	+ 96
5910	+10	- .94	-71	1.0	- 38
6106	- 2	+ .97	-53	0.8	- 53
6109	0	+ .96	+11	1.0	+ 68
6116	0	+ .93	-50	1.0	- 47
6251	+ 3	- .80	-40	1.0	+ 28
6269	0	- .92	-54	0.8	+ 2
6272	+10	- .92	-56	0.8	- 2
6483	0	+ .93	-53	1.0	- 47

(706) 20h 55m.5 -32° 55'

J.D.	h	P	m	p	v
	min				
5391	+ 3	+ .90	- 75	0.6	+".135
5403	0	+ .81	-185	1.0	- 71
5514	+ 4	- .73	-101	1.0	+ 34
5525	+ 2	- .83	- 98	1.0	+ 39
5543	+ 3	- .93	-166	1.0	- 88
5742	- 2	+ .96	- 37	1.0	- 39
5749	0	+ .93	0	1.0	+ 30
5753	0	+ .92	+ 17	0.8	+ 62
5758	+ 2	+ .89	0	0.8	+ 30
5904	+ 4	- .92	- 26	1.0	- 85
5906	+ 7	- .92	+ 23	1.0	+ 8
5910	+10	- .94	+ 32	1.0	+ 24
6106	- 2	+ .97	+ 95	0.8	- 39
6109	0	+ .96	+109	1.0	- 13
6116	0	+ .93	+ 99	1.0	- 32
6251	+ 3	- .80	+173	1.0	+ 43
6269	0	- .92	+130	0.8	- 38
6272	+10	- .92	+183	0.8	+ 62
6483	0	+ .93	+253	1.0	+ 2

(707) ε Micr 21h 11m.9 -32° 35'

J.D.	h	P	m	p	v
	min				
4683	+ 3	+ .74	-134	0.6	-".024
5403	+ 2	+ .85	- 54	1.0	- 8
5532	+ 8	- .85	- 30	0.8	+ 66
5753	0	+ .93	0	0.6	+ 30
5757	+ 4	+ .92	0	1.0	+ 30
5762	+ 8	+ .89	+ 12	0.7	+ 53
5772	- 2	+ .82	- 55	0.7	- 73
5899	+ 3	- .86	- 52	0.7	- 43
5906	+ 5	- .90	- 54	0.8	- 47
6118	+10	+ .93	+ 24	0.6	+ 11
6265	+ 6	- .87	- 4	1.0	- 17
6272	+ 7	- .90	- 42	0.7	- 88
6276	+ 2	- .92	+ 19	0.7	+ 26
6483	+ 6	+ .93	+ 78	1.0	+ 45
6485	0	+ .93	+ 48	1.0	- 11
6613	+ 4	- .71	+ 78	0.8	+ 71
6621	0	- .79	+ 60	0.7	+ 38
6640	+ 4	- .92	+ 33	0.7	- 13
6641	+ 3	- .92	+ 47	0.7	+ 13
6853	0	+ .92	+ 61	1.0	- 51
6859	+ 4	+ .88	+ 83	0.7	- 9

(708) BS 8987 23h 37m.3 -16° 0'

J.D.	h	P	m	p	v
	min				
5068	+ 3	+ .88	+27	0.6	+".011
5434	+ 3	+ .88	+ 8	1.0	- 17
5439	+ 2	+ .84	+15	1.0	- 4
5553	+ 3	- .65	+41	1.0	+ 62
5789	- 5	+ .92	+18	1.0	+ 8
5923	0	- .70	-10	1.0	- 26
6149	0	+ .93	- 5	1.0	- 28
6300	0	- .80	-36	1.0	- 70
6302	+ 4	- .82	+46	0.7	+ 85
6308	+ 2	- .86	-26	0.7	- 51
6517	- 3	+ .92	+13	0.8	+ 11
6518	+ 2	+ .92	0	1.0	- 13
6657	0	- .74	-21	0.7	- 34
6659	+ 5	- .75	+32	1.0	+ 66
6662	0	- .78	-24	0.8	- 39
6875	0	+ .93	0	0.8	- 6
6877	- 3	+ .93	+21	0.8	+ 34
6883	-10	+ .92	+13	1.0	+ 19
6884	+ 7	+ .92	+ 5	0.8	+ 4

(709) BS 9046 23h 49m.4 -40° 51'

J.D.	h	P	m	p	v
	min				
5077	+ 3	+ .85	-639	0.6	-".047
5418	+ 2	+ .93	-433	0.7	- 9
5440	+ 2	+ .86	-419	0.7	+ 17
5564	+ 5	- .74	-336	0.7	+ 103
5790	0	+ .93	-227	0.7	+ 23
5944	+ 4	- .84	-227	0.8	- 62
6158	+ 7	+ .92	- 80	0.7	- 64
6166	- 9	+ .88	- 32	1.0	+ 26
6298	0	- .75	0	1.0	+ 11
6300	- 4	- .77	0	1.0	+ 11
6306	0	- .83	- 40	0.7	- 64
6523	+ 4	+ .92	+137	1.0	- 15
6657	+ 4	- .71	+161	0.6	- 41
6660	- 2	- .74	+171	0.6	- 23
6662	+ 5	- .75	+220	0.6	+ 70
6883	+ 3	+ .93	+345	0.7	+ 21
6886	+ 2	+ .92	+323	0.6	- 21
6888	0	+ .92	+361	0.7	+ 51

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m	° ′				″	″	″	″	″
710	BS 37	0 7.1	-18 30	14	5.47	K2	.043	-.021	±.005	±.018	+.053
711	μ Phoe	0 36.6	-46 38	180	4.65	Ko	.038	.000	9	25	-.039
712	BS 210	0 41.2	-23 4	293	5.62	Ko	.192	+.007	11	36	+.199
713	ι Tucn	1 3.4	-62 19	89	5.32	Ko	.080	+.028	9	29	+.074
714	79 Ceti	2 30.3	-3 59	- 426	6.78	Go	.453	+.032	8	26	-.174
715	ι Horo	2 39.2	-51 14	641	5.42	F5	.376	+.072	4	15	+.344
716	η^3 Forn	2 46.6	-36 5	1070	5.49	Ko	.062	+.012	6	21	+.003
717	κ Reti	3 27.6	-63 17	234	4.80	F5	.522	+.058	8	30	+.379
718	BS 1195	3 45.7	-36 30	1467	4.24	Ko	.069	+.020	8	28	-.044
719	53 Erid	4 33.6	-14 30	933	3.98	Ko	.178	+.028	10	37	-.063
720	BS 1917	5 32.4	-64 18	456	5.30	G5	.050	+.006	7	21	+.043
721	2 Mono	5 54.3	-9 34	1285	5.10	A5	.063	+.006	8	26	+.002
722	BS 2233	6 10.5	-0 28	1234	5.68	F5	.260	+.039	8	29	-.160
723	BS 2384	6 27.4	-50 10	2241	5.32	F2	.084	+.023	9	29	-.058
724	BS 2389	6 27.7	-56 47	1095	5.16	Ko	.037	+.004	8	26	-.063
725	π CMaj	6 51.3	-20 1	+ 1610	4.62	F5	.070	+.030	4	15	+.053
726	δ CMaj	7 4.3	-26 14	3916	1.98	F8p	.003	-.017	7	23	+.030
727	BS 3043	7 44.8	-24 40	6022	5.32	Go	.040	+.031	7	23	-.039
728	δ Hyda	8 32.4	+6 3	2001	4.18	Ao	.071	+.039	8	24	-.062
729	6 Hyda	8 35.3	-12 7	+ 2420	5.15	K2	.083	+.029	8	27	-.092
730	λ Velr	9 4.3	-43 2	+ 4990	2.22	K5	.024	+.018	7	23	-.013
731	BS 4251	10 48.6	-19 36	3125	5.28	F5	.252	+.049	11	36	+.094
732	BS 4338	11 4.4	-61 24	2075	5.42	Aop	.031	+.004	8	25	-.001
733	BS 4548	11 46.6	-30 16	9506	5.96	Go	.309	+.024	7	23	+.005
734	o Virg	12 0.1	+9 17	2583	4.24	G5	.219	+.027	8	24	-.197
735	BS 4831	12 37.1	-48 16	7608	4.65	Ko	.127	+.020	5	19	-.087
736	BS 4888	12 47.5	-48 24	7753	4.35	K2	.101	+.015	7	27	-.074
737	BS 5058	13 20.3	-39 14	8246	5.25	Ko	.204	+.007	9	34	+.211
738	84 Virg	13 38.0	+4 3	2775	5.62	Ko	.299	-.002	7	23	-.251
739	BS 5176	13 41.4	-49 49	8198	5.50	Ko	.162	+.009	7	25	-.112
740	BS 5463	14 34.4	-64 32	2977	3.41	Fo	.308	+.054	7	23	-.189
741	BS 5485	14 37.5	-34 45	9868	4.13	Ko	.205	+.009	9	28	-.054
742	μ Virg	14 37.8	-5 13	3936	3.95	F5	.338	+.024	10	35	+.133
743	ε Circ	15 9.2	-63 14	3544	4.84	Ko	.007	.000	8	24	-.006
744	BS 5837	15 36.1	-37 6	10441	5.31	Ko	.059	+.004	6	23	-.045
745	ι TrAu	16 18.7	-63 50	3923	5.30	Fo	.059	+.024	6	25	+.064
746	BS 6128	16 22.3	-7 22	4292	5.45	Ma	.175	-.009	8	30	.000
747	σ Arae	17 28.2	-46 26	11661	4.63	Ao	.055	-.017	5	18	-.039
748	π Arae	17 29.9	-54 26	8403	5.31	A3	.153	+.053	7	21	-.067
749	μ Arae	17 36.2	-51 47	11094	5.26	G5	.202	+.061	6	24	+.015
750	BS 6894	18 19.3	-48 10	12505	5.48	G5	.035	+.022	5	19	-.003
751	BS 6942	18 25.4	-39 46	12696	5.25	A2	.070	+.015	6	24	+.036
752	BS 6970	18 29.5	-11 3	4681	5.25	G5	.056	+.015	10	36	+.053
753	BS 6985	18 31.7	+9 3	3783	5.40	F2	.128	+.031	9	31	+.002
754	BS 7597	19 49.7	-26 34	14637	4.81	G5	.226	+.058	8	32	+.215
755	σ Pavo	20 39.8	-69 8	3138	5.47	Ko	.095	-.005	6	18	-.069
756	δ^2 Grus	22 23.8	-44 16	14935	4.31	Mb	.016	-.011	9	31	-.033
757	BS 8850	23 11.7	-8 16	6076	5.14	Mb	.021	+.009	6	23	-.052

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm							mm
710	- 41	- 10	.186	- 29	+ 25	.347	+ 19	- 28	.168	+ 48	- 8	.299	10.9	6166	- .0383
711	- 58	- 46	.112	- 56	- 7	.288	+ 15	+ 65	.242	+ 53	- 24	.358	12.3	6159	- 245
712	- 8	- 58	.244	- 7	+ 45	.348	+ 2	- 11	.359	+ 70	+ 51	.049	11.6	5947	*
713	- 45	- 41	.347	- 24	+ 52	.285	+ 61	- 1	.368				11.3	6312	+ 28
714	- 64	- 2	.184	- 44	+ 19	.237	+ 33	- 57	.286	+ 44	+ 42	.293	11.2	5830	- 375
715	- 56	+ 72	.142	- 15	- 37	.380	+ 20	- 61	.217	+ 36	+ 65	.261	10.6	6337	*
716	- 47	0	.521	+ 21	+ 65	.234	+ 81	- 62	.245				11.3	6329	+ 496
717	- 58	- 22	.271	- 33	+ 49	.116	+ 12	+ 64	.256	+ 46	- 45	.357	10.8	6208	*
718	- 71	+ 26	.289	- 31	- 64	.246	+ 31	- 54	.136	+ 73	+ 48	.329	11.2	6218	- 328
719	- 70	- 24	.315	- 49	+ 34	.179	+ 45	- 16	.253	+ 77	+ 22	.253	10.5	6007	+ 117
720	- 40	- 53	.305	- 19	+ 44	.317	+ 44	+ 22	.257	+ 55	- 29	.121	11.2	6015	- 469
721	- 56	+ 41	.250	- 25	- 51	.335	+ 35	- 10	.229	+ 78	+ 50	.186	10.9	5186	+ 245
722	- 17	+ 62	.200	- 15	- 37	.353	+ 13	- 19	.288	+ 31	+ 40	.159	10.9	6289	- 1087
723	- 64	+ 56	.091	- 5	- 8	.434	+ 14	- 9	.436	+ 54	+ 67	.039	11.6	6044	+ 26
724	- 25	+ 39	.319	- 12	- 32	.360	+ 34	- 48	.155	+ 43	+ 39	.166	10.2	6043	+ 311
725	- 46	+ 35	.123	- 41	- 15	.278	+ 26	- 24	.329	+ 30	+ 29	.270	10.6	5915	- 343
726	- 40	+ 25	.232	- 10	- 10	.154	+ 8	- 13	.323	+ 29	0	.291	10.0	6411	+ 51
727	- 45	- 32	.252	- 34	+ 27	.274	+ 34	- 45	.201	+ 50	+ 35	.273	10.1	5333	+ 277
728	- 26	+ 44	.349	- 18	- 10	.249	+ 30	- 61	.232	+ 40	+ 9	.170	10.9	5713	+ 668
729	- 48	- 5	.322	- 44	+ 38	.167	+ 34	- 27	.327	+ 64	+ 22	.184	10.6	4989	- 90
730	- 54	+ 50	.275	- 48	- 34	.254	+ 46	+ 46	.202	+ 66	- 54	.269	10.6	6073	+ 255
731	- 76	- 5	.270	- 62	+ 22	.097	+ 35	+ 59	.321	+ 49	- 64	.312	11.1	5030	- 338
732	- 30	- 20	.378	- 12	+ 53	.267	+ 29	+ 5	.185	+ 55	- 46	.170	10.4	6131	+ 106
733	- 46	+ 20	.366	0	- 25	.254	+ 5	- 52	.156	+ 71	+ 32	.224	11.5	5996	- 404
734	- 64	- 24	.177	- 32	+ 32	.220	+ 26	- 38	.240	+ 33	+ 18	.363	11.8	6369	+ 429
735	- 27	+ 65	.251	- 23	- 38	.380	+ 39	- 38	.161	+ 46	+ 20	.208	10.6	6148	- 77
736	- 51	+ 27	.265	- 21	- 48	.249	+ 36	- 45	.221	+ 41	+ 56	.265	10.7	6005	+ 387
737	- 53	+ 22	.318	- 23	- 34	.230	+ 44	- 38	.246	+ 55	+ 49	.206	10.8	6162	*
738	- 63	+ 55	.289	+ 13	- 13	.229	+ 22	- 57	.283	+ 45	+ 16	.199	11.3	5798	- 378
739	- 64	+ 3	.159	- 44	- 24	.224	+ 30	- 36	.323	+ 36	+ 57	.294	11.3	6161	+ 921
740	- 78	- 26	.147	- 56	+ 27	.248	+ 16	- 17	.280	+ 64	+ 6	.325	10.4	5811	- 624
741	- 32	+ 42	.227	- 24	- 3	.247	+ 4	- 58	.264	+ 46	+ 24	.262	10.5	6180	+ 345
742	- 92	+ 3	.208	- 17	- 60	.235	+ 12	+ 48	.258	+ 67	+ 4	.299	10.7	6179	*
743	- 55	- 15	.140	- 41	+ 32	.146	+ 8	- 31	.337	+ 29	+ 20	.377	11.0	6187	- 172
744	- 31	+ 58	.323	- 25	- 32	.284	+ 43	- 62	.216	+ 44	+ 20	.177	10.8	6040	+ 707
745	- 68	+ 30	.149	- 47	+ 26	.254	+ 20	- 45	.243	+ 48	0	.354	10.6	6055	- 46
746	- 78	+ 47	.156	- 47	+ 56	.306	+ 39	- 55	.188	+ 55	- 41	.350	11.0	6209	- 272
747	- 41	+ 52	.193	- 11	- 26	.268	+ 7	- 32	.267	+ 33	+ 20	.272	11.4	6064	+ 309
748	- 29	- 3	.282	- 10	- 23	.270	+ 1	- 45	.188	+ 42	+ 60	.260	11.4	6070	+ 1697
749	- 16	- 59	.305	- 13	+ 54	.256	+ 12	- 14	.247	+ 28	+ 41	.192	11.2	6065	+ 784
750	- 58	+ 29	.243	- 4	- 39	.377	+ 41	+ 20	.380				11.1	6085	+ 249
751	- 35	- 16	.259	- 25	+ 16	.207	+ 24	- 9	.294	+ 29	+ 15	.240	9.7	6084	- 251
752	- 59	- 41	.313	- 50	+ 68	.285	+ 81	- 16	.402				11.0	5864	- 230
753	- 76	- 44	.129	- 64	- 6	.209	+ 18	+ 48	.362	+ 55	- 35	.300	10.7	6090	- 1005
754	- 30	+ 59	.354	- 20	- 60	.394	+ 74	+ 11	.252				11.0	5884	- 548
755	- 72	+ 18	.218	- 6	- 27	.232	+ 9	- 28	.232	+ 48	+ 28	.318	11.0	5898	+ 235
756	- 64	+ 27	.214	- 46	+ 5	.284	+ 25	- 73	.161	+ 66	+ 14	.341	10.8	5405	- 216
757	- 83	- 48	.253	- 28	+ 62	.181	+ 36	- 40	.344	+ 62	+ 66	.222	10.6	6149	- 312

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
710	16.8	+ 2.44	407.5	+1.82	+ 1.68	12.10	11.90	+ .0022	+ .3112	- .0122	+ .00014	+ .00077	- .00112
711	13.5	- 2.15	537.0	-1.37	- 6.79	8.68	8.45	+ 42	- 3056	+ 36	+ 22	- 57	0
712	15.2	+25.30	561.8	+1.23	+ 0.81	10.38	10.28	- 104	- 739	+ 30	- 53	+ 289	+ 36
713	13.4	+20.97	625.3	+0.30	+ 3.69	9.29	9.26	+ 32	+ 6514	+ 174	- 149	+ 108	+ 149
714	14.9	+17.16	297.5	+0.04	- 3.93	9.89	9.83	- 700	- 7956	+ 276	- 177	- 254	+ 169
715	16.3	+13.85	547.2	+0.72	+ 1.10	12.11	12.08	+ 277	+ 337	+ 475	+ 152	+ 502	+ 383
716	16.5	+ 9.65	633.6	-0.14	- 4.57	11.39	11.36	+ 61	+ 252	+ 68	+ 35	+ 4	+ 61
717	18.0	- 9.50	467.6	+1.12	+ 3.89	12.86	12.75	+ 106	- 295	+ 399	+ 35	+ 552	+ 309
718	17.5	-16.44	512.0	+2.10	- 3.49	13.16	12.91	- 83	- 3115	+ 136	- 120	- 64	+ 106
719	19.9	+15.54	961.8	+1.51	-15.52	14.51	14.30	+ 184	- 8862	+ 382	+ 153	- 92	+ 147
720	13.3	- 1.47	182.2	-2.26	- 2.93	8.68	8.24	+ 132	+ 1105	- 17	+ 112	+ 62	+ 30
721	16.0	- 2.15	112.7	+1.93	+ 1.28	11.59	11.34	+ 247	+ 11	+ 67	+ 151	+ 3	+ 32
722	17.9	- 7.86	309.4	+0.72	+ 7.21	11.87	11.65	- 671	- 6664	+ 42	- 486	- 232	+ 206
723	14.5	- 2.75	198.7	+0.26	+ 0.76	10.41	10.40	+ 85	- 1688	+ 121	+ 41	- 85	+ 121
724	15.5	+ 4.61	203.6	-2.28	+ 6.94	11.03	10.40	+ 172	- 1788	- 73	+ 141	- 92	+ 19
725	17.5	-11.18	311.8	-5.03	+ 6.07	13.81	12.34	+ 181	+ 2258	+ 167	+ 198	+ 76	+ 159
726	15.7	+16.14	168.1	-2.18	- 0.80	10.65	10.34	+ 108	+ 753	- 102	+ 12	+ 43	- 90
727	18.2	- 9.93	282.2	-3.95	+ 8.59	13.11	12.10	- 85	- 1401	+ 183	- 42	- 56	+ 165
728	16.3	- 5.93	666.2	-3.25	+26.70	11.17	9.56	- 225	- 5376	+ 35	- 129	- 90	+ 209
729	17.9	- 4.90	168.6	-4.36	- 2.30	12.23	11.10	- 75	- 2278	+ 238	- 41	- 134	+ 155
730	19.2	0.00	1124.7	-1.87	+34.18	12.92	11.70	- 9	- 1857	+ 55	+ 5	- 19	+ 94
731	16.3	- 7.60	218.7	-3.53	+ 3.10	11.12	10.34	- 467	+ 3189	+ 391	- 166	+ 136	+ 263
732	16.6	+10.15	554.9	-3.81	- 3.87	11.25	10.37	- 196	- 231	+ 67	- 112	- 2	+ 21
733	17.0	+ 6.81	301.3	-0.93	+ 1.14	11.45	11.39	+ 8	+ 228	+ 145	+ 9	+ 7	+ 127
734	14.7	-11.84	272.2	-1.71	+ 1.15	9.84	9.64	- 223	- 7365	+ 170	- 367	- 287	+ 142
735	18.5	+29.54	352.7	+0.29	- 6.70	12.53	12.36	- 60	- 4029	+ 221	+ 167	- 126	+ 106
736	17.7	- 6.59	275.2	-0.45	- 3.47	12.87	12.81	+ 234	- 3045	+ 130	+ 94	- 107	+ 77
737	19.2	- 6.77	520.6	+2.87	- 6.70	13.87	13.38	+ 27	+ 313	+ 53	+ 10	+ 307	+ 40
738	14.5	+13.88	468.6	+0.09	+ 8.83	10.94	10.77	+ 558	- 1.6135	- 331	+ 735	- 366	- 12
739	15.2	+ 5.12	495.6	-1.33	+ 1.19	11.12	11.00	+ 157	- 7985	+ 11	+ 162	- 163	+ 47
740	13.5	+ 4.07	113.3	-1.15	- 4.07	10.12	9.90	+ 166	- 3142	+ 377	+ 231	- 275	+ 288
741	14.8	-23.26	956.7	-2.06	+28.93	10.50	9.50	- 32	- 7044	- 147	- 139	- 78	+ 49
742	17.2	+23.72	464.3	-0.52	+ 5.14	12.88	12.78	+ 6	+ 1097	+ 175	- 25	+ 194	+ 125
743	13.5	+10.87	227.8	+1.15	-10.47	9.89	9.20	+ 79	- 138	+ 19	+ 66	- 9	+ 2
744	16.6	+ 0.61	168.6	+0.56	- 4.39	13.31	13.17	+ 101	- 1114	+ 60	+ 63	- 66	+ 21
745	18.5	- 9.03	204.9	-1.48	- 1.77	16.02	15.87	- 146	+ 1913	+ 194	- 23	+ 93	+ 129
746	15.8	-18.35	179.0	+1.68	- 4.15	13.25	13.04	- 140	+ 167	- 75	- 84	0	- 46
747	14.8	+ 4.37	130.3	+0.13	+ 2.93	12.39	12.33	- 170	- 809	- 132	- 97	- 57	- 92
748	14.0	+ 3.60	105.8	+0.10	+11.23	11.43	10.23	- 34	- 712	+ 215	- 1	- 97	+ 284
749	17.0	- 0.84	124.6	+2.29	+ 3.90	14.68	14.24	+ 145	+ 403	+ 496	+ 42	+ 22	+ 326
750	14.5	+ 9.58	181.4	+0.88	- 1.47	12.18	12.10	+ 101	- 21	+ 148	+ 66	- 4	+ 117
751	17.2	+ 0.91	113.9	+1.45	+ 2.19	15.04	14.88	- 51	+ 617	+ 126	- 40	+ 53	+ 80
752	16.2	+ 3.75	242.2	+0.24	+ 3.57	13.65	13.60	+ 76	+ 1904	+ 136	+ 28	+ 77	+ 79
753	16.3	- 4.82	119.8	+0.79	- 1.22	13.39	13.34	+ 136	- 23	+ 224	+ 76	+ 3	+ 163
754	16.7	- 3.29	266.1	-0.20	+ 5.75	14.02	13.90	+ 102	+ 8454	+ 613	+ 126	+ 312	+ 311
755	12.4	+13.91	132.9	+1.26	- 1.72	9.90	9.69	- 60	- 1231	- 3	+ 67	- 100	- 29
756	16.4	-15.41	379.1	+1.98	- 3.33	12.56	12.31	+ 39	- 1795	- 61	- 15	- 48	- 59
757	18.2	+22.06	503.1	+0.87	- 0.55	13.55	13.50	+ 197	- 3389	+ 86	+ 198	- 76	+ 48

(710) BS 37 $0^h 7^m.1$ $-18°30'$

J.D.	h	P	m	p	v
	min				
5076	- 4	+ .88	- 99	0.6	-".011
5214	+ 5	- .83	- 62	0.8	0
5577	0	- .80	- 21	0.6	+ 26
5583	+ 6	- .84	- 52	0.6	- 32
5794	+ 2	+ .93	- 30	0.8	+ 13
5798	+ 3	+ .91	- 55	1.0	- 34
5804	- 4	+ .89	- 42	1.0	- 9
5941	+ 4	- .79	- 11	0.7	- 8
6165	0	+ .91	+ 7	1.0	+ 28
6166	0	+ .90	0	1.0	+ 15
6298	0	- .72	+ 18	1.0	- 8
6302	+ 6	- .75	+ 63	0.8	+ 77
6308	+ 2	- .81	+ 26	0.7	+ 8
6523	+ 2	+ .93	+ 14	1.0	- 9
6539	+ 2	+ .88	+ 26	0.8	+ 13
6661	+ 2	- .70	+ 16	0.7	- 58
6662	+ 5	- .71	+ 58	0.7	+ 21
6672	+ 5	- .79	+ 30	0.7	- 32
6673	0	- .81	+ 47	0.7	0
6883	+ 6	+ .93	+ 48	0.8	+ 6
6884	+ 7	+ .93	+ 38	0.8	- 13

(711) μ Phoe $0^h 36^m.6$ $-46°38'$

J.D.	h	P	m	p	v
	min				
5105	- 2	+ .73	+ 51	0.6	-".021
5199	0	- .61	+ 96	0.8	+ 73
5452	+ 5	+ .87	+ 39	0.7	- 6
5462	+ 9	+ .80	+ 35	0.7	- 13
5582	+ 4	- .78	+ 19	0.8	- 30
5583	+ 3	- .79	+ 49	0.6	+ 26
5813	- 3	+ .89	+ 13	0.7	- 17
5943	+ 9	- .74	+ 27	0.8	+ 24
5948	+ 2	- .78	- 7	0.7	- 39
5951	+ 4	- .81	- 33	0.6	- 88
6159	0	+ .94	+ 25	0.7	+ 41
6310	+ 7	- .76	- 40	0.6	- 62
6544	0	+ .89	- 15	0.6	+ 9
6672	0	- .73	- 2	0.7	+ 47
6681	+ 2	- .80	+ 2	0.7	+ 55
6893	- 4	+ .94	- 34	0.8	+ 11
6903	0	+ .91	- 54	0.6	- 26
7038	+ 7	- .74	- 36	1.0	+ 23
7039	- 3	- .74	- 73	0.8	- 47

(712) BS 210 $0^h 41^m.2$ $-23°4'$

J.D.	h	P	m	p	v
	min				
5105	0	+ .74	- 44	0.6	-".096
5214	+ 3	- .75	+ 3	1.0	+ 6
5440	+ 3	+ .92	+ 26	0.7	+ 45
5462	+ 12	+ .81	+ 4	0.7	+ 4
5582	+ 7	- .77	0	0.8	+ 9
5813	0	+ .90	+ 35	0.7	+ 68
5816	+ 8	+ .88	0	0.7	+ 2
5940	+ 5	- .70	- 8	1.0	0
5948	+ 7	- .78	- 11	1.0	- 6
5953	0	- .82	- 24	0.6	- 30
6166	- 7	+ .93	+ 41	1.0	+ 83
6176	- 10	+ .91	- 38	1.0	- 66
6309	+ 10	- .74	+ 10	0.8	+ 39
6544	+ 10	+ .90	- 1	0.6	+ 15
6680	+ 9	- .79	- 77	0.8	- 113
6893	+ 2	+ .94	- 65	0.8	- 100
6918	- 3	+ .84	- 2	1.0	+ 19
7038	+ 10	- .73	+ 8	0.8	+ 53
7044	+ 8	- .78	+ 11	0.6	+ 58

(713) ι Tucn $1^h 3^m.4$ $-62°19'$

J.D.	h	P	m	p	v
	min				
5094	+ 2	+ .88	- 144	0.6	-".019
5460	0	+ .87	- 134	0.7	- 75
5583	+ 7	- .72	- 80	0.8	+ 47
5816	0	+ .91	- 68	0.7	- 24
5943	+ 5	- .67	- 62	1.0	+ 6
5957	+ 10	- .81	- 10	0.8	+ 103
6176	0	+ .93	0	0.8	+ 30
6312	- 6	- .71	- 56	0.8	- 58
6680	- 2	- .74	+ 2	1.0	- 23
6690	+ 2	- .82	+ 21	0.7	+ 13
6898	0	+ .94	+ 70	1.0	+ 15
7051	+ 6	- .79	+ 51	0.6	- 4
7052	- 2	- .80	+ 20	0.8	- 62
7054	0	- .81	+ 44	0.6	- 17
7266	+ 7	+ .94	+ 129	1.0	+ 51
7281	+ 2	+ .90	+ 95	0.7	- 13
7286	+ 6	+ .87	+ 104	0.8	+ 4

(714) 79 Ceti $2^h 30^m.3$ $-3°59'$

J.D.	h	P	m	p	v
	min				
5133	0	+ .78	+ 173	0.6	-".002
5248	+ 3	- .81	+ 117	0.8	+ 2
5473	0	+ .94	+ 72	0.8	- 30
5483	+ 3	+ .89	+ 140	0.7	+ 98
5489	+ 4	+ .85	+ 68	0.8	- 38
5593	- 5	- .60	+ 64	1.0	+ 64
5601	0	- .70	0	1.0	- 56
5830	+ 5	+ .96	+ 9	0.6	+ 19
5966	- 4	- .69	- 89	0.6	- 43
5972	+ 3	- .76	- 78	1.0	- 23
6206	0	+ .93	- 124	0.8	- 49
6217	+ 9	+ .87	- 106	1.0	- 15
6329	+ 5	- .67	- 171	1.0	- 17
6337	0	- .76	- 161	0.8	+ 2
6340	0	- .78	- 148	1.0	+ 26
6345	0	- .83	- 141	1.0	+ 39
6561	0	+ .96	- 187	0.6	+ 2
6565	+ 2	+ .95	- 175	0.8	+ 24

(715) ι Horo $2^h 39^m.2$ $-51°14'$

J.D.	h	P	m	p	v
	min				
5465	+ 2	+ .97	+ 69	0.6	+".034
5600	+ 4	- .66	- 33	1.0	- 36
5616	+ 4	- .82	- 20	0.7	- 11
5850	+ 2	+ .89	+ 40	0.7	- 19
5853	- 6	+ .88	+ 59	1.0	+ 17
5969	+ 7	- .70	+ 4	0.8	+ 32
5973	+ 3	- .75	- 4	1.0	+ 17
6192	0	+ .97	+ 44	1.0	- 15
6193	+ 3	+ .96	+ 36	0.7	- 30
6337	+ 6	- .73	- 7	0.7	+ 11
6565	+ 2	+ .96	+ 59	1.0	+ 13
6703	0	- .74	- 15	1.0	- 2
6712	0	- .82	- 27	1.0	- 24
6928	+ 4	+ .97	+ 40	0.6	- 26
6929	0	+ .97	+ 81	0.6	+ 51
7077	+ 8	- .82	- 7	0.8	+ 17
7078	+ 4	- .83	- 20	1.0	- 8
7080	+ 9	- .84	- 1	0.6	+ 28
7286	0	+ .97	+ 37	0.7	- 30
7293	0	+ .96	+ 54	0.8	+ 2

(716) η^3 Forn 2h 46.6m -36° 5'

J.D.	h	P	m	p	v
	min				″
5483	0	+ .92	- 4	0.6	- .017
5489	+ 4	+ .89	+ 1	0.8	- 8
5509	+ 9	+ .71	+ 2	0.7	- 6
5615	+ 3	- .80	- 11	0.7	- 13
5621	+ 11	- .85	- 3	0.8	+ 2
5833	+ 5	+ .97	- 6	0.7	- 26
5973	0	- .73	- 8	1.0	- 9
5974	+ 3	- .74	+ 13	1.0	+ 30
6206	+ 5	+ .95	+ 5	0.7	- 6
6211	+ 6	+ .93	+ 12	0.7	+ 8
6329	+ 4	- .62	+ 23	1.0	+ 43
6588	+ 3	+ .86	+ 30	0.7	+ 38
6703	+ 5	- .72	0	1.0	0
6709	+ 5	- .79	- 27	1.0	- 51
6946	- 6	+ .91	+ 53	0.8	+ 79
7070	+ 2	- .74	+ 6	0.8	+ 8
7077	+ 5	- .80	- 26	0.8	- 53
7078	+ 5	- .81	+ 19	1.0	+ 32
7293	+ 5	+ .97	- 5	0.7	- 36
7297	0	+ .97	0	1.0	- 26

(717) κ Reti 3h 27.6m -63° 17'

J.D.	h	P	m	p	v
	min				″
5500	- 4	+ .89	+ 64	0.5	+ .055
5507	- 3	+ .84	+ 58	0.8	+ 43
5509	- 5	+ .82	- 32	0.8	- 126
5511	- 2	+ .81	+ 75	1.0	+ 75
5613	+ 2	- .69	- 6	1.0	+ 19
5621	0	- .78	- 23	0.8	- 13
5627	+ 9	- .83	- 33	0.8	- 32
5850	+ 3	+ .96	+ 22	0.8	- 28
5983	0	- .74	0	0.6	+ 34
5984	+ 2	- .75	- 18	1.0	0
5990	+ 4	- .81	0	0.8	+ 34
6206	+ 2	+ .98	- 12	0.7	- 88
6211	+ 7	+ .98	+ 19	0.7	- 28
6344	- 2	- .71	- 28	0.8	- 15
6345	- 6	- .71	0	1.0	+ 38
6573	+ 2	+ .98	+ 29	0.7	- 6
6575	0	+ .98	+ 51	0.6	+ 36
6712	+ 2	- .73	- 12	0.8	+ 23
6718	+ 4	- .79	- 72	0.8	- 90
6721	0	- .81	- 27	0.8	- 6
6941	+ 4	+ .98	+ 37	0.7	+ 19
6949	0	+ .95	+ 38	0.8	+ 21
6953	0	+ .94	+ 39	0.7	+ 23

(718) BS 1195 3h 45.7m -36° 30'

J.D.	h	P	m	p	v
	min				″
5500	+ 5	+ .93	+ 13	0.6	- .055
5501	+ 3	+ .92	+ 63	1.0	+ 39
5509	0	+ .87	+ 62	1.0	+ 38
5518	- 5	+ .78	+ 18	0.8	- 45
5621	0	- .74	- 28	1.0	- 86
5624	+ 3	- .76	+ 33	1.0	+ 28
5632	+ 4	- .84	+ 47	0.8	+ 55
5850	+ 2	+ .98	+ 33	0.8	+ 21
5853	0	+ .97	+ 36	1.0	+ 26
5990	0	- .78	+ 17	0.8	+ 45
5997	+ 5	- .84	0	1.0	+ 13
6218	+ 4	+ .97	- 43	1.0	- 77
6364	+ 5	- .85	- 43	1.0	- 24
6612	+ 4	+ .80	- 48	0.8	- 38
6715	+ 3	- .71	- 55	0.7	- 4
6729	+ 3	- .85	- 42	0.8	+ 21
6730	- 6	- .86	- 65	1.0	- 23
6946	0	+ .98	- 34	0.8	+ 28
6956	+ 4	+ .95	- 30	1.0	+ 36
6960	+ 6	+ .93	- 51	0.6	- 4

(719) 53 Erid 4h 33.6m -14° 30'

J.D.	h	P	m	p	v
	min				″
4796	- 2	+ .83	+ 113	0.6	- .049
4799	0	+ .79	+ 154	1.0	+ 28
4800	- 6	+ .78	+ 190	1.0	+ 96
4801	- 2	+ .77	+ 126	1.0	- 24
5624	+ 10	- .65	+ 21	1.0	- 36
5997	0	- .74	- 8	1.0	- 23
6005	+ 4	- .83	- 35	1.0	- 73
6010	+ 3	- .86	+ 15	1.0	+ 21
6014	+ 2	- .90	0	0.8	- 8
6229	0	+ .99	0	0.8	- 15
6240	0	+ .95	- 10	0.8	- 34
6246	+ 3	+ .91	- 64	1.0	- 135
6364	0	- .76	- 42	1.0	- 21
6371	+ 2	- .83	- 21	1.0	+ 19
6379	0	- .90	+ 13	0.8	+ 85
6595	+ 2	+ .99	+ 23	1.0	+ 92
6615	0	+ .88	- 12	1.0	+ 26
6724	+ 4	- .69	- 62	1.0	+ 4
6743	+ 9	- .89	- 44	1.0	+ 38
6960	+ 3	+ .99	- 63	0.6	- 6
6963	+ 2	+ .98	- 68	0.7	- 15
6977	- 4	+ .91	- 52	0.8	+ 15

(720) BS 1917 5h 32.4m -64° 18'

J.D.	h	P	m	p	v
	min				″
5546	+ 2	+ .76	0	0.7	+ .030
5547	+ 5	+ .75	- 21	0.8	- 9
5548	- 5	+ .74	+ 7	1.0	+ 43
5650	+ 2	- .81	+ 4	0.7	+ 34
5654	+ 5	- .85	- 43	1.0	- 55
5659	+ 4	- .88	- 18	0.8	- 8
5910	0	+ .78	- 12	1.0	- 36
6007	0	- .71	+ 17	1.0	+ 13
6016	+ 3	- .81	+ 11	0.7	+ 2
6023	+ 4	- .87	+ 11	0.8	+ 2
6273	+ 4	+ .79	0	0.7	- 55
6379	0	- .79	+ 55	0.7	+ 45
6382	0	- .82	+ 22	0.8	- 17
6387	+ 2	- .86	+ 42	0.7	+ 21
6395	+ 5	- .92	+ 19	0.6	- 23
6630	0	+ .88	+ 41	0.6	- 23
6646	+ 7	+ .71	+ 76	0.7	+ 43

(721) 2 Mono 5h 54.3m -9° 34'

J.D.	h	P	m	p	v
	min				″
4813	0	+ .84	- 16	1.0	- .062
4820	+ 2	+ .77	+ 34	1.0	+ 32
4821	0	+ .76	+ 9	0.7	- 15
4823	+ 4	+ .73	+ 35	1.0	+ 34
4927	+ 3	- .83	+ 12	0.7	+ 2
4944	+ 4	- .95	- 21	0.8	- 60
4945	+ 11	- .96	+ 30	0.8	+ 36
5178	0	+ .85	+ 36	0.6	+ 36
5185	+ 3	+ .77	+ 17	1.0	+ 0
5194	+ 2	+ .67	+ 22	0.7	+ 9
5291	0	- .82	+ 15	0.8	+ 6
5292	+ 6	- .82	0	0.8	- 23
5304	+ 4	- .92	- 7	0.6	- 36
5306	+ 4	- .94	0	1.0	- 23
5308	+ 3	- .95	+ 54	1.0	+ 79
5530	+ 2	+ .95	- 4	0.8	- 43
5531	0	+ .94	0	1.0	- 36
5543	0	+ .85	+ 30	1.0	+ 21
5546	+ 3	+ .82	+ 41	0.7	+ 41

(722) BS 2233 $6^h 10^m.5$ $-0°28'$

J.D.	h	P	m	p	v
	min				
5560	+ 2	+ .70	+107	0.9	-".051
5651	+ 2	- .71	+ 66	1.0	- 30
5658	- 6	- .80	+ 36	0.8	- 86
5906	- 2	+ .90	+ 82	1.0	+ 51
5922	- 4	+ .74	+ 68	1.0	+ 24
5923	+ 3	+ .73	+ 52	1.0	- 6
6030	0	- .86	+ 43	1.0	+ 96
6036	- 3	- .91	+ 27	0.6	+ 66
6047	+ 6	- .97	+ 8	0.7	+ 30
6272	+ 2	+ .89	- 20	0.8	+ 26
6297	- 3	+ .62	- 30	0.8	+ 8
6298	0	+ .61	- 64	0.6	- 56
6379	- 4	- .68	- 80	1.0	+ 15
6391	- 9	- .82	- 99	0.7	- 21
6401	+ 2	- .91	-100	1.0	- 23
6630	+ 4	+ .94	- 88	1.0	+ 36
6631	0	+ .93	-124	1.0	- 32
6749	- 7	- .74	-183	1.0	- 19
6763	- 2	- .87	-200	0.6	- 51
6995	+ 2	+ .94	-203	0.6	- 9
7017	0	+ .75	-207	0.8	- 17

(723) BS 2384 $6^h 27^m.4$ $-50°10'$

J.D.	h	P	m	p	v
	min				
5545	- 2	+ .89	+60	0.5	+".008
5551	0	+ .84	+60	1.0	+ 8
5553	- 6	+ .82	+41	1.0	- 28
5662	+ 4	- .80	+50	0.7	+ 49
5673	+ 3	- .89	+31	0.6	+ 13
5676	0	- .92	0	0.7	- 45
5685	0	- .97	+15	0.8	- 17
5910	0	+ .90	+43	1.0	+ 32
5918	0	+ .82	+38	0.6	+ 23
6040	+ 3	- .91	+ 7	1.0	+ 26
6048	- 2	- .96	- 7	0.8	0
6273	0	+ .91	-52	0.7	- 86
6277	- 3	+ .87	+43	0.8	+ 92
6292	- 2	+ .73	-62	0.6	- 105
6387	+ 3	- .73	-53	0.7	- 32
6395	+ 5	- .82	-60	0.7	- 45
6412	+ 2	- .95	-17	0.8	+ 36
6661	+10	+ .68	-15	0.7	+ 47
6664	0	+ .65	-46	0.8	- 11

(724) BS 2389 $6^h 27^m.7$ $-56°47'$

J.D.	h	P	m	p	v
	min				
5553	0	+ .82	+60	0.6	+".002
5568	0	+ .65	+46	0.8	- 24
5654	0	- .70	+33	1.0	- 24
5670	0	- .87	+58	1.0	+ 23
5684	- 2	- .96	+56	0.8	+ 19
5685	- 4	- .97	+70	1.0	+ 45
5903	0	+ .94	0	0.7	- 53
5918	+ 5	+ .82	+30	0.8	+ 4
6039	0	- .90	+45	0.8	+ 60
6048	- 7	- .96	0	0.7	- 24
6272	+ 2	+ .91	+ 7	0.8	+ 24
6277	+ 2	+ .87	-14	0.8	- 15
6298	+ 6	+ .66	-20	0.7	- 26
6386	0	- .73	-19	1.0	+ 2
6396	+ 5	- .83	-20	0.8	0
6407	+ 2	- .93	-27	0.8	- 13
6410	0	- .94	-79	0.8	- 111
6646	+ 8	+ .84	-18	0.8	+ 43
6664	+ 5	+ .65	-16	0.8	+ 47

(725) π CMaj $6^h 51^m.3$ $-20°1'$

J.D.	h	P	m	p	v
	min				
5316	+ 2	- .92	- 49	0.6	-".017
5319	+ 4	- .94	- 22	1.0	+ 34
5330	+ 6	- .98	- 37	1.0	+ 6
5332	+14	- .99	- 51	1.0	- 21
5548	0	+ .90	+ 4	0.8	- 4
5549	0	+ .89	- 2	0.8	- 15
5551	- 3	+ .89	0	1.0	- 11
5561	+ 3	+ .79	- 7	0.6	- 24
5673	+ 4	- .85	- 31	1.0	- 34
5685	+ 6	- .94	- 3	1.0	+ 19
5695	+ 6	- .98	0	1.0	+ 24
5915	+ 2	+ .89	+ 55	0.8	+ 41
6049	+ 2	- .93	+ 12	0.8	- 6
6297	0	+ .73	+ 73	0.8	+ 23
6298	0	+ .72	+ 69	0.7	+ 15
6299	+ 2	+ .71	+ 50	0.8	- 21
6395	+ 6	- .76	+ 43	1.0	- 2
6398	+ 6	- .80	+ 36	1.0	- 15
6420	+ 4	- .96	+ 57	0.8	+ 24
6422	- 2	- .97	+ 31	1.0	- 24

(726) δ CMaj $7^h 4^m.3$ $-26°14'$

J.D.	h	P	m	p	v
	min				
5940	-10	+ .66	0	1.0	+".047
6063	+ 2	- .98	- 5	0.7	0
6066	+ 8	- .99	-26	0.7	- 39
6297	+ 2	+ .77	-26	0.8	- 28
6298	0	+ .75	-11	0.8	0
6300	+ 4	+ .72	-13	1.0	- 4
6395	+ 5	- .73	+14	1.0	+ 8
6410	+ 3	- .88	-23	0.8	- 62
6414	+ 5	- .91	+11	0.8	+ 2
6426	0	- .97	- 2	0.8	- 23
6646	0	+ .91	- 4	0.8	- 15
6661	0	+ .78	+22	1.0	+ 34
6761	+ 5	- .74	+55	1.0	+ 58
6768	0	- .82	+12	1.0	- 23
6769	0	- .82	+29	1.0	+ 9
6788	0	- .96	+51	0.8	+ 51
7028	+ 3	+ .76	+22	1.0	0
7035	+ 4	+ .68	-12	0.7	- 64

(727) BS 3043 $7^h 44^m.8$ $-24°40'$

J.D.	h	P	m	p	v
	min				
4578	-12	- .73	+39	0.6	+".028
4584	0	- .79	+ 5	1.0	- 36
4595	0	- .88	+15	1.0	- 17
4598	+ 5	- .91	+67	0.7	+ 81
4849	0	+ .72	+26	1.0	- 17
5214	+ 3	+ .72	+12	1.0	- 6
5215	+ 6	+ .71	+35	1.0	+ 38
5217	- 3	+ .69	0	0.8	- 28
5325	+ 6	- .88	-48	1.0	- 53
5329	0	- .91	-15	1.0	+ 9
5339	+ 7	- .97	-23	0.8	- 6
5340	+ 5	- .97	-14	0.8	+ 11
5568	0	+ .84	0	1.0	+ 8
5570	0	+ .81	-39	0.7	- 66
5571	+ 3	+ .81	+23	1.0	+ 51
5576	+ 3	+ .76	-11	1.0	- 13
5695	- 2	- .92	-36	1.0	+ 8
5696	+ 4	- .92	-48	0.8	- 15
5704	+ 4	- .96	-47	1.0	- 13
5705	- 2	- .97	-19	1.0	+ 39

(728) δ Hydæ 8h 32.4m +6° 3'

J.D.	h	P	m	p	v
	min				
4597	+ 8	- .79	+ 67	0.8	-".004
4600	+ 8	- .83	+ 63	1.0	- 11
4601	+ 6	- .84	+ 61	1.0	- 15
4625	+ 2	- .96	+ 92	0.8	+ 43
5576	- 2	+ .85	+ 22	0.7	+ 13
5581	- 3	+ .81	+ 13	0.8	- 4
5597	0	+ .63	+ 12	0.8	- 6
5705	0	- .89	0	0.8	+ 60
5708	+ 2	- .91	- 31	1.0	+ 2
5720	+ 7	- .96	- 32	0.7	0
5721	- 3	- .96	- 55	0.6	- 43
5947	+ 4	+ .80	- 13	0.6	+ 13
5949	+ 3	+ .78	- 49	0.8	- 55
5956	+ 3	+ .71	0	0.8	+ 38
5961	+10	+ .65	- 71	0.7	- 96
6323	0	+ .69	- 36	0.8	+ 34
6325	+ 4	+ .66	- 27	1.0	+ 51
6434	0	- .88	- 91	1.0	+ 13
6438	0	- .91	- 97	0.8	+ 2
6449	0	- .96	-129	0.8	- 58

(729) 6 Hydæ 8h 35.3m -12° 7'

J.D.	h	P	m	p	v
	min				
4499	+ 8	+ .66	+ 32	0.7	-".073
4504	+ 9	+ .60	+ 78	0.6	+ 13
4506	+ 8	+ .58	+112	0.7	+ 77
4592	+ 6	- .73	+ 78	0.6	+ 83
4604	+ 5	- .85	+ 32	1.0	- 4
4611	0	- .90	+ 23	1.0	- 21
4626	- 3	- .96	+ 14	1.0	- 38
4850	- 3	+ .82	+ 33	1.0	+ 15
4865	- 8	+ .66	+ 2	1.0	- 43
4980	0	- .92	- 16	0.8	+ 6
4984	0	- .94	- 34	1.0	- 28
4996	+ 4	- .97	- 30	0.7	- 21
4997	+ 5	- .97	+ 29	0.7	+ 90
5215	+ 5	+ .82	- 35	0.8	- 21
5217	+ 3	+ .80	0	0.8	+ 45
5229	- 5	+ .67	- 44	0.8	- 38
5234	+ 3	+ .61	- 11	1.0	+ 24
5329	+ 3	- .80	- 71	1.0	- 9
5347	0	- .94	- 52	1.0	+ 26
5350	+ 3	- .95	- 69	1.0	- 6
5355	+ 5	- .96	- 85	0.7	- 36

(730) λ Velr 9h 4.3m -43° 2'

J.D.	h	P	m	p	v
	min				
4625	+ 3	- .93	+21	0.6	+".004
4627	+ 7	- .94	-12	0.8	- 58
4634	- 4	- .96	+27	1.0	+ 15
4641	0	- .96	+27	1.0	+ 15
5598	+ 5	+ .70	+51	1.0	+ 68
5601	+ 6	+ .66	0	1.0	- 28
5956	0	+ .78	+34	0.6	+ 45
5968	0	+ .64	-15	1.0	- 47
6083	- 8	- .92	+21	0.8	+ 55
6102	- 5	- .96	-26	0.8	- 34
6325	- 3	+ .74	+21	1.0	+ 38
6332	+ 3	+ .65	-15	1.0	- 30
6438	+ 3	- .85	-20	1.0	- 9
6684	+ 3	+ .80	- 5	1.0	- 2
6689	0	+ .75	-23	1.0	- 36
6690	- 3	+ .74	0	1.0	+ 8
6692	0	+ .73	0	1.0	+ 8
6799	0	- .81	-27	0.8	- 9
6802	0	- .84	-32	1.0	- 19
6810	+ 3	- .90	+ 8	0.8	+ 56
6826	+ 5	- .96	-29	1.0	- 13

(731) BS 4251 10h 48.6m -19° 36

J.D.	h	P	m	p	v
	min				
4522	+ 5	+ .74	- 47	0.6	+".038
4527	+ 4	+ .70	- 35	0.6	+ 60
4531	+ 6	+ .66	- 33	0.6	+ 64
4532	- 7	+ .66	- 88	0.7	- 39
4643	- 2	- .85	-142	1.0	- 94
4653	- 4	- .91	-130	1.0	- 71
4655	- 7	- .91	- 83	1.0	+ 17
4657	- 2	- .92	- 71	1.0	+ 39
4886	0	+ .75	- 69	0.8	- 100
4891	0	+ .71	- 16	0.7	0
5022	0	- .92	+ 1	0.8	+ 79
5032	+ 2	- .94	- 15	1.0	+ 49
5035	+ 2	- .94	+ 15	0.7	+ 105
5248	0	+ .79	+ 28	0.7	- 9
5267	- 5	+ .59	+ 33	0.8	0
5376	+ 4	- .87	- 7	1.0	- 26
5384	+ 2	- .90	+ 3	0.8	- 8
5388	0	- .92	- 14	1.0	- 39
5623	+ 7	+ .70	+ 90	0.8	+ 13
5624	+ 3	+ .69	+ 87	0.7	+ 8

(732) BS 4338 11h 4.4m -61° 24'

J.D.	h	P	m	p	v
	min				
5039	- 2	- .94	+ 35	0.6	+".086
5271	- 6	+ .58	0	0.8	+ 15
5403	+ 7	- .94	- 42	0.8	- 56
5404	+ 6	- .94	- 39	0.8	- 51
5407	+ 6	- .94	+ 6	0.7	+ 34
5614	+ 2	+ .80	- 13	0.8	- 9
5980	+ 8	+ .80	- 23	0.8	- 26
5990	+ 3	+ .72	+ 5	0.8	+ 26
6130	+ 8	- .93	- 30	0.8	- 30
6132	+ 6	- .93	- 34	0.7	- 38
6364	+ 5	+ .62	0	1.0	+ 19
6366	- 2	+ .60	- 27	1.0	- 32
6488	+ 4	- .92	0	0.8	+ 26
6489	+ 4	- .93	+ 24	0.8	+ 71
6723	+ 8	+ .69	- 20	1.0	- 17
6731	+ 6	+ .60	0	1.0	+ 21
6835	+ 3	- .82	- 46	1.0	- 60
6853	+ 7	- .92	- 15	0.7	- 2
6856	+ 3	- .93	0	1.0	+ 26
6858	- 5	- .93	0	0.7	+ 26

(733) BS 4548 11h 46.6m -30° 16'

J.D.	h	P	m	p	v
	min				
5024	0	- .85	- 8	0.6	+".017
5397	0	- .89	-26	1.0	- 23
5412	- 2	- .93	- 4	0.8	+ 19
5624	+ 5	+ .81	+18	0.8	+ 19
5641	+ 5	+ .67	+ 7	1.0	- 2
5644	+ 7	+ .63	-20	0.8	- 53
5773	- 5	- .93	-10	0.6	+ 6
5989	+ 2	+ .81	+27	1.0	+ 32
5999	+ 2	+ .74	+22	0.8	+ 23
6001	0	+ .71	+32	0.7	+ 41
6130	+10	- .90	-25	0.8	- 28
6141	+ 8	- .93	-30	0.8	- 38
6353	0	+ .82	-34	0.8	- 88
6363	+ 3	+ .75	+13	1.0	0
6364	+ 5	+ .74	+17	1.0	+ 8
6377	+ 8	+ .60	+17	1.0	+ 8
6496	+ 5	- .90	+20	1.0	+ 51
6502	+ 5	- .92	+15	0.8	+ 41
6507	+ 5	- .93	-25	1.0	- 34
6510	+ 5	- .93	- 9	0.7	- 4

(734) o Virg 12h 0.1m +9° 17'

J.D.	h	P	m	p	v
	min				
5045	+ 3	- .93	+338	0.8	+".015
6000	+ 3	+ .76	+ 67	0.7	- 21
6005	+ 6	+ .71	+ 59	0.7	- 36
6006	- 6	+ .71	+ 73	0.8	- 9
6007	0	+ .70	+ 71	1.0	- 13
6139	+ 3	- .92	0	0.6	- 30
6142	+ 4	- .92	0	1.0	- 30
6146	- 3	- .93	+ 17	0.8	+ 2
6147	- 5	- .93	+ 21	0.8	+ 9
6362	+ 7	+ .78	- 10	1.0	+ 32
6365	+ 2	+ .76	- 29	0.8	- 4
6380	+ 5	+ .60	+ 4	0.7	+ 58
6507	+ 7	- .92	- 85	0.7	+ 8
6512	0	- .93	- 51	0.8	+ 71
6738	+10	+ .69	-113	0.8	+ 41
6746	+ 7	+ .60	-161	0.8	- 49
6864	+ 9	- .90	-175	0.7	+ 36
6873	+10	- .92	-242	0.6	- 90
6877	+ 9	- .93	-208	0.6	- 26

(735) BS 4831 12h 37.1m -48° 16'

J.D.	h	P	m	p	v
	min				
5038	- 4	- .84	+156	0.6	+".015
5650	+ 5	+ .71	+ 61	1.0	- 49
6005	+ 5	+ .80	+ 49	0.7	+ 15
6009	+ 2	+ .76	+ 59	1.0	+ 34
6013	- 2	+ .73	+ 36	0.8	- 9
6014	0	+ .72	+ 64	0.8	+ 43
6144	0	- .90	0	0.7	- 15
6146	+ 8	- .91	+ 20	1.0	+ 23
6147	+ 5	- .91	- 4	1.0	- 23
6156	+ 6	- .93	0	0.7	- 15
6365	+ 6	+ .83	- 28	1.0	- 45
6377	+ 3	+ .74	0	1.0	+ 8
6379	+ 2	+ .72	- 19	1.0	- 28
6387	+ 5	+ .64	0	0.8	+ 8
6515	0	- .92	- 3	0.8	+ 70
6516	+ 2	- .92	- 38	1.0	+ 4
6731	+ 6	+ .83	- 40	0.7	+ 17
6735	+ 6	+ .80	- 40	0.7	+ 17
6740	0	+ .76	- 39	0.8	+ 19
6874	0	- .90	- 99	0.8	- 26
6877	+ 4	- .91	- 99	0.8	- 26
6879	+ 3	- .92	- 90	0.8	- 9

(736) BS 4888 12h 47.5m -48° 24'

J.D.	h	P	m	p	v
	min				
5039	0	- .83	+ 92	0.6	-".026
5413	+ 2	- .89	+ 60	1.0	- 11
5416	+ 3	- .90	+ 59	0.8	- 13
5640	0	+ .82	+ 74	0.7	+ 39
5641	+ 2	+ .81	+ 40	1.0	- 24
5650	0	+ .74	+ 68	1.0	+ 28
5651	+ 6	+ .73	+112	1.0	+ 111
5794	+ 2	- .94	+ 21	1.0	- 8
6001	+ 4	+ .85	- 11	0.8	- 51
6004	0	+ .83	0	0.7	- 30
6008	0	+ .82	0	0.8	- 30
6009	+ 4	+ .81	0	1.0	- 30
6147	0	- .90	- 37	1.0	- 43
6156	+ 5	- .93	+ 11	0.7	+ 47
6161	+ 2	- .94	- 10	0.8	+ 8
6364	- 2	+ .86	- 42	0.7	- 32
6380	+ 5	+ .74	- 17	0.8	+ 15
6387	0	+ .67	- 30	0.7	- 9
6512	+ 7	- .90	- 72	0.8	- 36
6516	0	- .92	- 24	1.0	- 55
6524	+ 3	- .94	- 37	0.8	+ 30

(737) BS 5058 13h 20.3m -39° 14'

J.D.	h	P	m	p	v
	min				
5060	+ 2	- .91	0	0.8	+".017
5434	+ 4	- .94	- 17	0.8	- 17
5437	0	- .94	- 55	0.8	- 88
5641	0	+ .87	0	1.0	- 2
5650	+ 2	+ .82	0	1.0	- 2
5658	+ 5	+ .76	- 15	1.0	- 30
5662	+ 4	+ .71	+ 63	1.0	+ 117
6007	0	+ .87	+ 5	1.0	+ 4
6013	+ 2	+ .83	- 28	0.8	- 58
6019	+ 4	+ .79	0	0.8	- 6
6028	+ 4	+ .70	- 5	0.8	- 15
6159	+ 9	- .92	+ 34	0.7	+ 68
6165	+10	- .94	- 6	0.8	- 8
6377	+10	+ .84	- 13	1.0	- 36
6387	- 2	+ .76	+ 9	0.8	+ 6
6398	+ 7	+ .65	+ 60	0.8	+ 102
6525	+ 5	- .93	0	0.7	0
6738	+ 2	+ .87	+ 20	1.0	+ 23
6740	+ 3	+ .86	- 42	1.0	- 94
6888	0	- .91	+ 28	1.0	+ 49
6897	- 8	- .94	- 6	0.8	- 15
6898	- 8	- .94	- 5	0.8	- 13

(738) 84 Virg 13h 38.0m +4° 3'

J.D.	h	P	m	p	v
	min				
4706	+ 8	- .93	+451	1.0	-".043
4710	+ 3	- .94	+493	1.0	+ 36
5644	0	+ .89	+ 98	0.6	- 55
5650	+ 2	+ .85	+157	0.8	+ 56
5652	+ 4	+ .84	+148	0.8	+ 39
5655	0	+ .82	+139	0.8	+ 23
5798	0	- .92	+ 77	0.8	+ 6
6013	- 3	+ .87	- 30	0.6	- 39
6015	- 2	+ .85	0	0.8	+ 17
6016	+ 5	+ .85	- 40	0.8	- 58
6028	0	+ .75	- 19	0.8	- 19
6160	- 3	- .91	- 65	0.8	- 9
6166	+ 3	- .93	- 75	0.8	- 28
6398	0	+ .71	-137	0.8	+ 19
6399	0	+ .70	-149	1.0	- 4
6526	0	- .91	-158	0.8	+ 66
6529	0	- .93	-200	0.7	- 13
6538	0	- .94	-200	0.8	- 13

(739) BS 5176 13h 41.4m -49° 49'

J.D.	h	P	m	p	v
	min				
5060	+ 3	- .88	+210	0.6	+".038
5076	- 4	- .94	+194	0.7	+ 8
5444	+ 7	- .95	+148	0.7	+ 38
5662	0	+ .77	+101	0.8	+ 2
5670	+ 3	+ .70	+ 85	1.0	- 28
5806	- 4	- .94	+ 79	1.0	+ 17
6014	+ 4	+ .87	0	0.8	- 81
6029	- 7	+ .75	+ 20	0.8	- 43
6161	0	- .91	0	0.7	- 24
6162	+ 2	- .92	- 9	0.7	- 41
6379	+ 5	+ .87	- 4	0.8	+ 24
6380	+ 3	+ .86	+ 15	1.0	+ 60
6395	+ 7	+ .75	- 23	0.8	- 11
6753	- 5	+ .81	- 35	0.6	+ 83
6768	0	+ .67	- 70	0.8	+ 17
6889	0	- .90	- 90	0.6	+ 32
6890	- 2	- .90	-117	1.0	- 19
6893	0	- .91	-121	0.8	- 26
6894	0	- .92	-112	1.0	- 9

(740) BS 5463 $14^h 34^m.4$ $-64°32'$

J.D.	h	P	m	p	v
	min				
5084	0	- .94	+210	0.7	+".026
5439	0	- .90	+ 97	0.8	- 4
5662	+ 3	+ .89	+110	0.8	+ 53
5670	+ 2	+ .83	+ 70	1.0	- 23
5678	0	+ .77	+ 78	1.0	- 8
5684	-10	+ .71	+ 94	0.7	+ 23
5685	- 9	+ .70	+ 46	0.7	- 68
5805	+ 2	- .90	0	0.8	+ 8
5813	+ 3	- .94	0	0.6	+ 8
5815	0	- .94	- 31	0.6	- 51
6029	- 2	+ .87	+ 18	0.8	+ 62
6038	0	+ .82	- 42	0.8	- 51
6042	+ 2	+ .78	- 6	0.8	+ 17
6172	+ 5	- .91	- 82	1.0	+ 41
6175	+ 8	- .92	-104	1.0	0
6179	0	- .94	-112	0.7	- 15
6180	0	- .94	-123	0.7	- 36

(741) BS 5485 $14^h 37^m.5$ $-34°45'$

J.D.	h	P	m	p	v
	min				
4697	- 4	- .80	+ 56	0.8	-".077
4699	0	- .82	+131	0.7	+ 64
4714	- 3	- .92	+ 86	1.0	- 21
4725	0	- .96	+126	0.8	+ 55
5666	0	+ .87	+ 62	0.7	+ 60
5685	- 2	+ .71	+ 27	0.8	- 6
6048	+ 5	+ .72	0	0.6	+ 2
6050	-10	+ .71	0	1.0	+ 2
6180	0	- .94	- 51	0.7	- 60
6181	0	- .94	- 24	0.7	- 9
6396	- 6	+ .87	- 4	0.7	+ 45
6413	0	+ .74	- 61	1.0	- 62
6544	0	- .94	- 72	0.7	- 45
6550	+ 4	- .95	- 22	0.6	+ 49
6761	- 4	+ .87	- 39	1.0	+ 34
6789	+ 3	+ .61	- 78	1.0	- 39
6903	- 3	- .91	- 58	0.6	+ 32
6904	-10	- .91	- 53	0.7	+ 41
6905	+ 3	- .92	- 73	0.7	+ 4

(742) μ Virg $14^h 37^m.8$ $-5°13'$

J.D.	h	P	m	p	v
	min				
5076	0	- .90	-33	0.6	+".011
5437	+ 2	- .87	-26	0.8	+ 9
5445	- 2	- .92	-31	0.8	0
5656	- 2	+ .92	-48	1.0	- 85
6046	0	+ .75	- 3	0.7	- 13
6050	- 5	+ .71	+10	0.8	+ 11
6175	+10	- .92	-26	1.0	- 23
6183	-10	- .95	+17	0.8	+ 58
6387	- 3	+ .91	+60	1.0	+ 92
6412	0	+ .74	+12	1.0	+ 2
6415	+ 4	+ .71	-15	1.0	- 49
6418	- 4	+ .68	+11	1.0	0
6549	+ 5	- .95	+ 4	0.7	+ 19
6552	- 2	- .96	+62	0.7	+ 128
6752	0	+ .92	+70	0.7	+ 88
6761	+ 2	+ .87	+28	1.0	+ 9
6768	- 4	+ .82	+ 8	0.7	- 28
6903	+ 3	- .91	-39	0.6	- 81
6904	- 4	- .91	-18	0.8	- 41
6905	+ 8	- .92	-40	0.7	- 83
6907	- 3	- .93	- 7	0.8	- 21

(743) ε Circ $15^h 9^m.2$ $-63°14'$

J.D.	h	P	m	p	v
	min				
5670	0	+ .90	+ 35	0.8	+".043
5686	+ 2	+ .78	+ 23	0.8	+ 21
5695	- 6	+ .70	- 4	0.8	- 30
5816	+ 6	- .92	- 8	0.8	- 32
6039	0	+ .88	+ 12	0.8	+ 9
6057	- 2	+ .73	- 14	1.0	- 39
6180	+ 7	- .91	- 21	0.8	- 53
6188	+ 6	- .95	0	0.6	- 13
6192	0	- .96	+ 61	0.8	+ 102
6413	0	+ .82	+ 20	0.8	+ 28
6416	+ 2	+ .79	- 15	0.7	- 38
6423	- 7	+ .72	0	0.7	- 9
6554	+ 3	- .95	+ 9	0.6	+ 11
6559	0	- .97	- 4	0.6	- 13
6774	0	+ .87	+ 16	0.7	+ 28
6778	- 4	+ .82	- 4	0.8	- 9
6903	- 2	- .86	- 18	0.6	- 34
6911	+ 4	- .91	+ 10	0.8	+ 19

(744) BS 5837 $15^h 36^m.1$ $-37°6'$

J.D.	h	P	m	p	v
	min				
5468	+ 8	- .97	+ 13	0.6	-".055
5686	+ 3	+ .85	+ 49	1.0	+ 34
5689	+ 5	+ .83	+ 43	0.7	+ 23
5695	+ 3	+ .77	+ 23	0.8	- 15
5696	+ 4	+ .77	+ 36	1.0	+ 9
5830	+ 8	- .96	+ 13	0.8	- 9
5831	+12	- .96	- 4	0.8	- 41
5833	+ 9	- .97	+ 49	0.8	+ 58
5834	+ 8	- .97	+ 41	0.7	+ 43
6038	+ 2	+ .93	+ 13	1.0	+ 8
6039	- 6	+ .92	+ 6	1.0	- 6
6042	+ 3	+ .91	- 20	1.0	- 55
6189	- 2	- .94	- 24	0.8	- 34
6195	+10	- .96	- 5	1.0	+ 2
6407	+ 4	+ .91	- 43	0.7	- 51
6410	0	+ .89	+ 14	0.7	+ 56
6412	+ 3	+ .88	- 18	1.0	- 4
6538	+10	- .81	- 41	0.8	- 23
6543	+ 4	- .85	+ 7	0.6	+ 68
6550	+ 2	- .90	- 30	0.8	- 2

(745) ι TrAu $16^h 18^m.7$ $-63°50'$

J.D.	h	P	m	p	v
	min				
5474	0	- .96	-57	0.6	+".021
5475	+ 2	- .97	-49	0.7	+ 36
5480	+ 6	- .99	-21	0.8	+ 88
5685	+ 3	+ .93	-40	0.7	- 28
5697	0	+ .86	-23	1.0	+ 4
5700	+ 2	+ .84	-55	0.8	- 56
5701	+ 6	+ .83	-19	1.0	+ 11
5839	+ 5	- .96	-67	0.8	- 60
5840	- 3	- .97	-52	1.0	- 32
5843	-10	- .97	-53	0.6	- 34
6049	+ 3	+ .94	0	0.8	- 17
6052	0	+ .93	+32	1.0	+ 43
6056	- 2	+ .90	0	0.7	- 17
6064	- 7	+ .85	+16	1.0	+ 13
6196	0	- .92	- 5	0.8	- 8
6204	+10	- .96	+15	1.0	+ 30
6208	+ 4	- .97	-40	0.8	- 73
6210	+ 4	- .99	-17	0.8	- 30
6412	+ 2	+ .95	+57	0.8	+ 24
6421	+ 2	+ .91	+44	1.0	0
6564	+10	- .93	+44	1.0	+ 19
6572	+ 4	- .97	+54	0.8	+ 38

(746) BS 6128 16h 22m.3 -7° 22'

J.D.	h	P	m	p	v
	min				m
5688	+ 4	+ .93	+10	1.0	+.041
5700	+ 5	+ .85	-18	1.0	- 11
5702	- 9	+ .83	0	1.0	+ 23
5833	+10	- .93	+ 4	0.8	+ 15
5840	0	- .97	- 7	0.8	- 6
5843	+ 5	- .97	-25	0.7	- 39
5844	+ 2	- .98	+28	0.7	+ 60
6050	- 2	+ .94	-24	0.7	- 21
6057	+ 4	+ .90	+14	1.0	+ 51
6062	- 3	+ .86	-25	0.8	- 23
6063	- 3	+ .86	-43	1.0	- 56
6207	+ 9	- .97	- 8	0.8	- 8
6210	+ 5	- .98	-22	0.8	- 34
6211	+ 5	- .99	+10	0.7	+ 26
6416	0	+ .93	-61	1.0	- 90
6433	+ 3	+ .82	-25	0.8	- 23
6551	+ 5	- .84	- 9	0.8	- 9
6573	0	- .97	- 2	0.6	+ 4
6778	0	+ .95	+50	0.8	+ 118

(747) σ Arae 17h 28m.2 -46° 26'

J.D.	h	P	m	p	v
	min				m
5706	+ 3	+ .93	+10	0.6	+.015
5708	+ 2	+ .92	+27	0.8	+ 47
5714	+ 2	+ .87	+ 4	0.8	+ 4
5718	0	+ .84	-13	0.8	- 28
5836	+ 3	- .84	+ 6	0.8	- 8
5846	0	- .92	+ 6	1.0	- 8
5853	- 2	- .96	-16	0.8	- 49
5859	0	- .99	+24	0.8	+ 26
6064	- 2	+ .97	-37	0.8	- 36
6210	0	- .91	-23	0.8	- 24
6213	+ 3	- .93	+ 1	0.8	+ 21
6219	+ 2	- .96	+ 3	0.8	+ 24
6221	+ 4	- .97	+17	0.8	+ 51
6437	0	+ .93	-38	1.0	+ 2
6438	- 3	+ .92	-52	0.8	- 24
6439	0	+ .91	-34	1.0	+ 9
6454	0	+ .78	-33	1.0	+ 11
6573	+ 3	- .89	-46	0.6	- 28

(748) π Arae 17h 29m.9 -54° 26'

J.D.	h	P	m	p	v
	min				m
5718	+ 9	+ .84	+63	0.6	+.009
5719	+ 3	+ .83	+56	0.7	- 4
5721	- 8	+ .81	+35	0.7	- 43
5846	+ 2	- .92	+ 5	0.8	+ 21
5849	+ 7	- .93	- 4	0.8	+ 4
5853	+ 2	- .95	- 7	0.8	- 2
5857	+ 3	- .98	+ 2	0.8	+ 15
5859	+ 5	- .98	+ 3	0.7	+ 17
6064	+ 2	+ .97	+23	0.8	- 6
6076	+10	+ .90	+37	0.6	+ 21
6211	+ 7	- .92	-38	0.7	+ 6
6217	+ 4	- .95	-42	0.7	- 2
6220	+ 2	- .96	-42	0.6	- 2
6222	+ 5	- .98	-76	0.7	- 66
6437	+ 4	+ .93	-12	1.0	+ 2
6439	+ 5	+ .92	+29	1.0	+ 79
6454	+ 5	+ .79	-43	1.0	- 56
6456	0	+ .76	-16	1.0	- 6

(749) μ Arae 17h 36m.2 -51° 47'

J.D.	h	P	m	p	v
	min				m
5697	+ 4	+ .98	+18	0.6	-.017
5702	0	+ .96	+24	0.8	- 6
5705	+ 5	+ .95	+40	1.0	+ 24
5714	+ 4	+ .89	+37	1.0	+ 19
5836	+ 5	- .82	-25	1.0	+ 11
5850	+ 6	- .93	-29	1.0	+ 4
5852	- 2	- .94	+12	1.0	+ 81
5853	+ 3	- .95	-67	0.8	- 68
6063	+ 3	+ .97	+25	0.8	- 21
6064	0	+ .97	+20	1.0	- 30
6067	- 2	+ .96	0	0.7	- 68
6210	+ 4	- .90	-20	0.7	+ 6
6213	+ 5	- .92	-12	0.8	+ 21
6218	+ 4	- .95	-42	0.7	- 36
6219	+ 7	- .95	-41	0.7	- 34
6224	+ 8	- .98	-30	0.6	- 13
6437	+ 5	+ .94	+53	1.0	+ 23
6438	+ 6	+ .94	+33	0.8	- 15
6441	+ 6	+ .91	+51	1.0	+ 19
6454	+ 6	+ .80	+64	1.0	+ 43

(750) BS 6894 18h 19m.3 -48° 10'

J.D.	h	P	m	p	v
	min				m
5494	0	- .93	-19	0.6	-.032
5706	0	+ .98	+45	0.8	+ 49
5726	+ 2	+ .88	+35	0.8	+ 30
5727	0	+ .87	+20	0.7	+ 2
5857	+10	- .92	-11	1.0	- 13
5862	- 2	- .94	0	0.8	+ 8
5874	+ 7	- .99	-23	0.8	- 36
6078	+ 3	+ .96	+33	0.5	+ 32
6085	- 6	+ .92	- 7	0.7	- 43
6093	0	+ .86	+ 8	1.0	- 15
6238	+ 5	- .99	+15	0.7	+ 38
6439	+ 3	+ .98	0	0.8	- 30
6455	+ 4	+ .89	+36	0.8	+ 38
6460	+ 2	+ .84	+ 5	1.0	- 21
6461	0	+ .83	0	0.8	- 30
6578	0	- .83	+13	0.7	+ 36
6596	+ 3	- .96	0	1.0	+ 11
6599	0	- .97	-10	1.0	- 8

(751) BS 6942 18h 25m.4 -39° 46'

J.D.	h	P	m	p	v
	min				m
5724	+ 6	+ .91	-33	0.7	-.032
5728	+ 5	+ .87	-10	1.0	+ 11
5730	+ 4	+ .85	- 8	0.8	+ 15
5731	0	+ .84	+15	0.8	+ 58
5850	+ 9	- .84	-22	0.8	+ 2
5869	0	- .98	-30	0.6	- 13
5873	+ 4	- .98	-54	0.8	- 58
5874	0	- .99	-26	1.0	- 6
6076	0	+ .98	-19	1.0	- 41
6084	+ 3	+ .94	+25	0.7	+ 41
6093	+ 3	+ .87	- 5	1.0	- 15
6228	+ 7	- .94	0	1.0	+ 8
6229	0	- .95	-23	1.0	- 36
6237	+10	- .98	0	0.8	+ 8
6239	+ 5	- .99	+43	0.8	+ 88
6240	0	- .99	+ 3	0.8	+ 13
6437	- 3	+ .99	+15	0.8	- 15
6439	+ 2	+ .98	+45	0.8	+ 41
6441	+ 3	+ .98	+26	1.0	+ 6
6463	0	+ .83	0	1.0	- 43

(752) BS 6970 18h 29m.5 -11° 3'

J.D.	h	P	m	p	v
	min				″
5006	+ 3	+ .80	-57	0.8	.000
5127	+ 2	- .90	-90	0.8	- 55
5509	0	- .99	-33	0.7	0
5511	+ 7	- .99	-34	0.8	- 2
5713	+ 3	+ .97	-19	1.0	- 34
5728	+ 9	+ .88	-10	1.0	- 17
5734	- 3	+ .83	- 3	0.8	- 4
5738	- 8	+ .78	+27	0.8	+ 53
5859	+ 9	- .91	+64	1.0	+ 130
5869	+ 9	- .96	+41	0.7	+ 86
5872	+ 8	- .98	-36	0.5	- 58
6076	+ 2	+ .98	+34	0.8	+ 13
6088	0	+ .91	+25	0.7	- 4
6093	+ 4	+ .88	+21	1.0	- 11
6228	+ 8	- .93	0	0.8	- 43
6235	+ 9	- .96	-15	0.8	- 71
6239	+10	- .98	+61	0.8	+ 71
6241	+ 7	- .99	-35	0.7	- 109
6441	+ 7	+ .98	+57	1.0	+ 4
6469	+ 5	+ .78	+63	0.7	+ 15

(753) BS 6985 18h 31m.7 +9° 3'

J.D.	h	P	m	p	v
	min				″
5724	+10	+ .91	+73	0.6	+ .098
5729	+ 6	+ .88	+11	1.0	- 19
5730	+ 3	+ .86	-13	0.8	- 58
5734	0	+ .83	+52	1.0	+ 58
5738	- 5	+ .79	+35	0.7	+ 26
5860	+ 4	- .91	-40	0.8	- 60
5864	+ 2	- .94	+21	0.7	+ 55
5873	+ 6	- .98	-24	0.8	- 30
5877	+10	- .99	-24	1.0	- 34
6084	+ 3	+ .94	0	1.0	- 41
6095	-10	+ .86	0	0.8	- 41
6225	+10	- .91	+41	0.8	+ 92
6229	+ 4	- .93	- 6	0.8	+ 4
6236	+ 5	- .97	- 7	0.8	+ 2
6240	+ 2	- .99	0	1.0	+ 15
6241	+ 9	- .99	-36	0.6	- 53
6454	+ 2	+ .91	+46	0.8	+ 43
6455	+ 7	+ .91	0	0.7	- 43
6460	+ 4	+ .87	+42	1.0	+ 36
6470	0	+ .77	- 6	0.6	- 55

(754) BS 7597 19h 49m.7 -26° 34'

J.D.	h	P	m	p	v
	min				″
5014	- 6	+ .89	-240	0.6	- .017
5018	+ 4	+ .86	-230	0.6	+ 2
5507	- 2	- .84	-130	1.0	+ 6
5515	+ 2	- .91	-136	1.0	- 11
5523	+ 3	- .95	-128	1.0	0
5524	+ 2	- .95	-175	1.0	- 86
5728	+ 2	+ .97	+ 16	1.0	+ 43
5734	- 2	+ .94	0	1.0	+ 9
5745	+ 3	+ .88	+ 27	1.0	+ 55
5875	- 3	- .87	+ 37	1.0	+ 102
5893	+ 6	- .96	0	0.7	+ 32
6098	+ 5	+ .95	+ 81	1.0	- 53
6104	0	+ .93	+ 71	1.0	- 71
6240	0	- .86	+ 88	1.0	- 24
6249	+ 5	- .92	+ 94	1.0	- 9
6256	+ 9	- .95	+ 95	0.8	- 2
6462	0	+ .96	+223	1.0	0
6478	+ 4	+ .87	+240	1.0	+ 24

(755) σ Pavo 20h 39m.8 -69° 8'

J.D.	h	P	m	p	v
	min				″
5403	- 8	+ .79	+60	0.6	+ .011
5511	0	- .74	+57	0.6	+ 17
5739	+ 3	+ .97	+ 8	0.8	- 19
5753	+ 4	+ .90	0	0.6	- 34
5755	+ 3	+ .89	+34	0.6	+ 30
5757	- 6	+ .87	+31	1.0	+ 24
5890	+ 7	- .86	+14	0.6	+ 8
5899	+ 9	- .92	+14	0.7	+ 8
5904	+ 5	- .94	-24	0.8	- 64
6109	+ 4	+ .95	-19	0.7	0
6116	- 3	+ .92	-22	0.8	- 6
6249	+ 6	- .81	-34	0.8	- 13
6251	- 5	- .83	-10	0.7	+ 32
6267	0	- .93	-48	0.6	- 39
6270	+ 6	- .93	0	0.8	+ 51
6481	0	+ .92	-53	1.0	0
6482	0	+ .91	-57	0.7	- 8

(756) δ^2 Grus 22h 23m.8 -44° 16'

J.D.	h	P	m	p	v
	min				″
4670	+ 7	+ .93	+ 9	0.7	- .038
4681	+ 2	+ .90	+11	1.0	- 34
4683	+ 8	+ .88	+45	0.8	+ 30
4826	+ 4	- .86	+24	1.0	- 15
4830	+ 5	- .89	+60	0.8	+ 53
5035	0	+ .93	+20	0.8	+ 17
5049	+ 8	+ .88	+24	0.8	+ 24
5176	+ 5	- .75	+33	1.0	+ 36
5178	+ 9	- .76	-50	0.8	- 120
5195	+ 6	- .89	- 8	0.8	- 41
5395	- 5	+ .95	0	0.6	+ 15
5403	+ 4	+ .93	0	0.8	+ 15
5411	+ 4	+ .90	+18	0.8	+ 49
5412	+ 3	+ .89	+14	0.7	+ 41
5546	+ 9	- .78	-30	0.7	- 49
5549	+ 5	- .82	+ 4	0.8	+ 15
5924	+10	- .88	0	0.8	+ 39
5927	+ 8	- .89	+18	0.7	+ 73
6142	+ 3	+ .90	-44	1.0	- 4
6145	+ 6	+ .88	-83	1.0	- 77

(757) BS 8850 23h 11m.7 -8° 16'

J.D.	h	P	m	p	v
	min				″
5063	+ 3	+ .87	+119	0.6	+ .024
5068	0	+ .83	+137	0.7	+ 58
5571	+ 5	- .86	+ 56	0.8	- 8
5774	+ 3	+ .94	+ 45	0.8	- 15
5789	- 2	+ .90	+ 33	1.0	- 38
5920	+ 2	- .74	+ 32	1.0	- 2
5936	+ 2	- .86	+ 38	1.0	+ 9
6149	0	+ .91	+ 19	1.0	- 8
6298	+ 5	- .84	+ 22	1.0	+ 32
6299	+ 2	- .85	- 18	1.0	- 43
6303	+ 8	- .87	- 25	0.8	- 56
6509	0	+ .92	- 24	0.8	- 39
6516	+ 3	+ .91	- 19	1.0	- 30
6646	+ 2	- .70	0	1.0	+ 41
6658	+ 3	- .80	- 32	1.0	- 19
6659	0	- .81	0	0.8	+ 41
6660	0	- .82	- 30	0.7	- 15
6873	+ 2	+ .93	- 48	0.8	- 32
6875	0	+ .92	- 13	0.8	+ 34
6876	0	+ .92	- 22	0.8	+ 17
6883	0	+ .90	0	0.8	+ 58

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	± p.e.	p.e.1	μ_α from Plates
		h m	° '								
758	BS 6	0 1.1	-49 38	14337	5.77	G0	".534	+".037	±".006	±".019	+".565
759	ε Phoe	0 4.3	-46 18	18	3.94	K0	.222	+ .060	9	31	+ .106
760	γ Phoe	1 24.0	-43 50	449	3.40	K5	.223	- .004	8	25	- .042
761	ε Scul	1 41.0	-25 33	704	5.39	F0	.171	+ .031	8	25	+ .147
762	ι Erid	2 36.7	-40 17	689	4.06	K0	.128	+ .032	7	22	+ .085
763	ν Hydi	2 51.1	-75 29	204	4.70	K2	.060	+ .004	6	19	- .044
764	α Forn	3 7.8	-29 23	1177	3.95	F8	.726	+ .071	6	21	+ .315
765	36 Erid	3 55.7	-24 18	2022	4.69	A0p	.012	+ .011	12	36	+ .014
766	BS 1628	4 58.1	-26 25	1975	5.01	K0	.125	+ .002	6	18	+ .064
767	PGC 1232	5 5.3	-41 21	1727	6.60	G0	.297	+ .024	7	22	- .072
768	μ Leps	5 8.4	-16 19	1072	3.30	A0p	.053	+ .005	8	32	+ .049
769	o Colm	5 13.9	-35 0	2214	4.91	K0	.356	+ .005	7	25	+ .090
770	φ^2 Orio	5 31.4	+ 9 14	898	4.39	K0	.321	+ .018	5	17	+ .102
771	51 Orio	5 37.3	+ 1 26	1105	5.24	G5	.052	- .001	6	22	- .051
772	BS 2049	5 48.6	-52 8	794	4.98	K0	.090	+ .018	7	23	+ .003
773	75 Orio	6 11.6	+ 9 59	1173	5.29	A2	.063	+ .015	10	32	- .018
774	BS 2251	6 12.0	+ 5 8	1168	5.81	G0	.280	+ .049	8	26	- .225
775	R CMaj	7 14.9	-16 12	1898	var.	F0	.214	+ .017	10	34	+ .135
776	BS 3314	8 20.7	- 3 35	2339	3.95	A0	.068	+ .024	9	29	- .045
777	ε Hyda	8 41.5	+ 6 47	2036	3.48	F8	.193	- .008	10	38	- .188
778		8 43.1	+ 6 51	+ 2031	10.3		.55	+ .008	10	32	+ .231
779	PGC 2405	8 52.4	-36 44	5192	6.83	G0	.214	+ .025	6	20	- .188
780	BS 3588	8 55.5	-46 51	4810	5.22	F0	.124	+ .008	6	19	- .091
781	23 Hyda	9 11.7	- 5 56	2762	5.40	K0	.007	+ .019	4	17	+ .019
782	BS 3807	9 28.4	-40 12	5284	5.36	K0	.018	+ .019	7	23	+ .032
783	BS 3991	10 5.2	-12 19	3101	5.42	F0	.178	+ .020	6	22	- .131
784	λ Crat	11 18.4	-18 14	+ 3367	5.15	F2	.311	+ .011	8	24	- .263
785	BS 4409	11 20.6	-35 31	7189	5.34	K0	.120	+ .026	6	21	- .081
786	τ Leon	11 22.8	+ 3 24	2504	5.18	K0	.028	+ .026	10	29	+ .095
787	BS 4600	11 58.5	-41 52	6938	5.28	F0	.344	+ .043	8	25	+ .340
788	16 Virg	12 15.3	+ 3 52	+ 2604	5.10	K0	.303	- .008	6	21	- .269
789	ι Cruc	12 39.8	-60 26	4273	4.68	K0	.127	+ .032	5	17	+ .119
790	32 Virg	12 40.6	+ 8 13	2639	5.24	A5	.110	+ .021	8	27	- .057
791	BS 5048	13 18.5	-63 58	2743	5.46	F5	.155	+ .004	6	21	- .140
792	78 Virg	13 29.1	+ 4 10	2764	4.93	A2p	.054	+ .023	6	19	+ .075
793	υ^2 Cent	13 55.5	-45 7	+ 9040	4.39	F5	.039	+ .010	6	20	+ .025
794	ψ Cent	14 14.5	-37 26	9336	4.17	A0	.069	- .002	7	23	- .054
795	BS 5386	14 18.5	+ 8 54	+ 2882	5.11	A0	.069	- .002	9	29	- .021
796	φ Virg	14 23.0	- 1 47	2957	4.97	K0	.131	+ .032	10	32	- .131
797	α^2 Libr	14 45.3	-15 38	3966	2.90	A3	.128	+ .049	6	22	- .093
798	BS 5542	14 46.6	-30 10	11780	6.43	G0	.342	+ .034	6	21	- .330
799	υ Lupi	15 18.2	-39 21	9827	5.38	A0	.070	+ .003	5	18	+ .010
800	κ Ophi	16 52.9	+ 9 32	3298	3.42	K0	.290	+ .051	9	27	- .313
801	BS 6371	17 3.5	-44 26	11502	5.14	G5	.062	+ .013	7	24	- .031
802	BS 6546	17 29.7	-38 34	12044	4.34	K0	.216	+ .014	5	19	- .024
803	Cin 2342	17 30.7	-42 30	12320	7.7	G5	.40	+ .046	5	21	+ .181

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
758	- 76	+ 34	.231	- 59	+ 50	.202	+ 16	- 32	.280	+ 87	- 32	.287	11.3	6000	- .0900
759	- 85	+ 23	.134	- 46	- 69	.182	- 37	+ 32	.324	+ 88	- 2	.360	10.6	4850	+ 38
760	- 62	- 25	.329	+ 24	+ 40	.481	+ 46	- 59	.190				11.8	5106	+ 352
761	- 60	- 52	.272	- 27	+ 68	.263	+ 46	- 60	.235	+ 55	+ 44	.230	11.0	6000	+ 300
762	- 33	- 28	.489	+ 18	+ 49	.377	+ 71	- 36	.134				10.5	5000	+ 300
763	- 70	- 43	.255	- 27	+ 60	.238	+ 24	- 55	.263	+ 75	+ 45	.244	10.0	5130	- 254
764	- 90	- 6	.177	- 2	- 34	.246	+ 4	- 18	.352	+ 65	+ 71	.225	10.8	5700	- 600
765	- 77	- 29	.321	- 33	+ 61	.138	+ 5	+ 64	.189	+ 81	- 31	.352	12.2	5268	- 87
766	- 75	+ 10	.266	- 33	- 40	.147	+ 29	+ 20	.373	+ 66	- 21	.214	11.0	4922	+ 518
767	- 52	+ 4	.247	- 23	- 4	.196	+ 21	- 48	.273	+ 41	+ 46	.284	10.9	6600	+ 480
768	- 70	+ 48	.234	- 51	- 7	.166	+ 30	- 54	.249	+ 50	+ 10	.351	11.3	6530	+ 1200
769	- 40	- 14	.409	+ 3	+ 46	.357	+ 65	- 45	.234				11.6	5160	+ 675
770	- 60	- 68	.345	- 16	+ 58	.178	+ 48	+ 16	.224	+ 51	- 2	.253	11.0	6300	- 600
771	- 66	+ 37	.250	- 10	- 12	.330	+ 39	- 31	.261	+ 62	+ 16	.159	10.7	6200	+ 500
772	- 33	+ 11	.336	- 5	- 17	.193	+ 26	- 1	.471				11.0	6300	+ 200
773	- 79	+ 43	.213	- 56	- 56	.218	+ 38	+ 53	.275	+ 63	- 39	.294	10.9	4928	- 549
774	- 44	+ 27	.300	- 12	- 37	.210	+ 16	- 36	.186	+ 42	+ 21	.304	11.4	6300	0
775	- 79	+ 59	.242	- 12	- 55	.219	+ 40	- 28	.203	+ 40	+ 10	.336	11.2	6000	0
776	- 51	- 3	.363	+ 21	+ 50	.254	+ 34	- 30	.383				10.6	6000	+ 100
777	- 58	- 45	.217	- 37	+ 31	.445	+ 86	- 12	.338				10.8	6300	*
778	- 30	+ 11	.176	- 27	- 7	.119	+ 10	- 29	.215	+ 13	+ 10	.490	12.0	6300	*
779	- 51	- 27	.234	- 22	+ 43	.415	+ 60	- 32	.351				10.6	6000	+ 400
780	- 64	+ 36	.257	- 16	- 64	.205	+ 28	- 13	.225	+ 43	+ 23	.313	10.1	5582	+ 541
781	- 23	- 57	.341	- 15	+ 70	.350	+ 24	- 69	.130	+ 55	+ 30	.179	10.4	5600	- 100
782	- 74	+ 58	.227	- 71	- 57	.233	+ 49	+ 58	.278	+ 75	- 61	.262	10.2	4998	- 864
783	- 60	+ 38	.205	- 8	- 10	.325	+ 32	- 9	.470				9.4	6000	- 100
784	- 80	- 36	.261	+ 23	- 11	.221	+ 26	+ 74	.281	+ 35	- 38	.237	10.4	5000	- 700
785	- 58	+ 65	.295	- 36	- 64	.203	- 17	- 40	.178	+ 85	+ 3	.324	10.3	5400	- 800
786	- 75	- 15	.469	+ 52	+ 65	.159	+ 73	- 9	.372				11.0	5300	- 700
787	- 80	+ 4	.365	+ 16	- 15	.273	+ 68	+ 6	.362				10.7	6000	- 300
788	- 44	+ 73	.180	- 10	- 15	.287	+ 6	- 68	.305	+ 38	+ 51	.228	11.3	6480	*
789	- 49	+ 44	.238	- 11	- 23	.274	+ 9	- 29	.244	+ 51	+ 12	.244	11.1	6400	*
790	- 37	- 60	.309	- 28	+ 53	.440	+ 95	- 20	.251				10.5	6000	+ 300
791	- 64	+ 51	.201	- 51	+ 8	.243	+ 33	+ 1	.296	+ 59	- 48	.260	10.6	6000	+ 100
792	- 20	+ 48	.363	- 18	- 52	.331	+ 28	- 49	.144	+ 57	+ 43	.162	11.7	6000	+ 600
793	- 43	+ 15	.331	- 27	- 61	.158	+ 19	- 60	.165	+ 44	+ 42	.346	11.6	5311	+ 17
794	- 42	- 56	.438	+ 22	+ 70	.415	+ 64	- 30	.147				10.9	4900	+ 370
795	- 78	+ 10	.270	- 58	- 38	.103	+ 40	- 59	.184	+ 45	+ 27	.443	10.9	5800	+ 100
796	- 75	- 20	.160	- 74	- 14	.248	+ 19	- 33	.229	+ 72	+ 39	.363	12.3	5000	+ 500
797	- 39	- 12	.550	+ 47	- 38	.200	+ 48	+ 56	.250				11.0	6670	*
798	- 42	+ 17	.463	- 15	- 16	.192	+ 20	- 18	.111	+ 86	- 14	.234	11.2	6000	0
799	- 70	+ 33	.256	- 27	- 44	.257	+ 44	+ 59	.246	+ 58	- 48	.241	10.6	5800	- 100
800	- 78	- 60	.152	- 49	+ 30	.324	+ 52	- 54	.156	+ 54	+ 21	.368	12.7	5000	+ 500
801	- 34	+ 35	.270	- 31	- 38	.270	+ 22	+ 56	.202	+ 50	- 41	.258	10.7	5110	+ 403
802	- 45	- 48	.265	- 20	+ 40	.327	+ 44	- 20	.191	+ 46	+ 17	.217	10.5	6000	- 300
803	- 54	- 49	.136	- 38	+ 20	.326	+ 35	+ 21	.383	+ 39	- 51	.155	10.6	6800	*

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	p_π	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
758	14.9	+ 5.53	238.9	+ 1.82	+ 3.91	11.03	10.77	+ .2473	+ 2.0450	+ .0779	+ .01330	+ .00822	+ .00196
759	16.9	+ 6.89	101.3	+ 0.14	− 4.77	12.19	11.95	− 94	+ 1326	+ 311	− 121	+ 154	+ 317
760	15.2	− 13.57	152.5	+ 1.55	− 4.33	10.26	10.04	− 4	− 846	− 2	− 55	− 61	− 20
761	15.8	+ 13.67	993.8	+ 2.50	− 16.87	11.51	10.74	+ 1319	+ 2.1888	− 18	+ 623	+ 214	+ 163
762	16.6	+ 12.06	564.2	+ 0.72	+ 30.41	11.12	9.48	− 469	+ 7060	+ 539	− 380	+ 124	+ 170
763	15.5	+ 4.57	301.7	+ 1.28	− 2.68	10.55	10.41	+ 58	− 1934	+ 48	+ 55	− 65	+ 22
764	20.2	− 40.88	1668.2	+ 1.22	+ 6.77	14.45	14.33	− 2857	+ 7.8708	+ 797	− 511	+ 458	+ 380
765	13.3	+ 2.43	173.5	+ 1.02	+ 1.55	8.85	8.76	+ 113	+ 371	+ 65	+ 77	+ 20	+ 60
766	13.4	+ 7.42	71.9	+ 0.47	− 0.16	10.21	10.19	+ 270	+ 786	+ 15	+ 149	+ 94	+ 9
767	15.1	− 4.18	382.7	− 0.65	− 4.08	9.36	9.28	− 273	− 4006	+ 176	− 205	− 105	+ 128
768	22.1	+ 11.32	623.8	− 1.24	+ 0.84	14.82	14.75	+ 1016	+ 4843	− 6	+ 425	+ 70	+ 27
769	15.9	− 8.35	151.1	+ 1.59	− 2.35	11.95	11.77	+ 367	+ 1734	+ 50	+ 297	+ 132	+ 28
770	19.1	− 8.31	363.5	+ 0.53	+ 9.56	13.56	13.28	+ 437	+ 5248	+ 290	+ 290	+ 148	+ 98
771	18.2	− 0.82	354.6	− 1.06	+ 8.54	12.00	11.74	− 294	− 2600	− 51	− 165	− 74	− 5
772	17.7	− 9.82	366.6	− 0.75	+ 4.00	11.73	11.67	− 112	+ 276	+ 116	− 56	+ 5	+ 93
773	14.0	+ 13.64	94.3	− 0.77	− 4.43	9.80	9.59	+ 203	− 44	+ 76	+ 175	− 26	+ 79
774	15.5	+ 9.28	279.4	− 1.79	+ 0.14	9.95	9.74	+ 901	− 8404	+ 108	+ 807	− 328	+ 259
775	15.8	− 7.84	133.1	− 1.75	+ 1.49	10.82	10.63	− 549	+ 2808	+ 171	− 240	+ 196	+ 92
776	15.2	− 34.62	687.9	− 2.93	+ 25.18	11.19	10.07	+ 272	− 4354	− 39	+ 55	− 65	+ 125
777	19.3	− 16.90	1276.3	− 3.01	+ 27.33	13.99	13.04	− 633	− 2468	− 13	− 354	− 273	− 41
778	14.4	− 18.77	1032.7	− 3.53	+ 22.06	10.59	9.43	+ 9	+ 617	+ 47	+ 23	+ 336	+ 40
779	18.0	+ 26.94	582.8	− 1.29	+ 13.50	12.50	11.97	− 1012	− 1.6169	− 187	− 143	− 274	+ 132
780	17.2	+ 21.01	237.1	− 2.94	+ 0.61	12.45	11.87	− 280	− 3140	+ 44	+ 7	− 133	+ 44
781	25.3	− 12.22	1111.9	− 5.49	− 1.51	17.10	15.89	+ 2493	+ 1793	− 390	+ 1021	+ 27	+ 102
782	18.6	− 9.12	181.6	− 3.06	− 3.34	12.91	12.28	− 166	+ 861	+ 129	− 49	+ 47	+ 100
783	17.7	− 2.01	364.0	− 1.68	+ 14.85	12.11	11.36	+ 332	− 6837	− 187	+ 176	− 191	+ 105
784	13.8	− 15.03	114.7	− 0.25	+ 4.44	9.21	9.03	+ 70	− 3818	− 109	− 365	− 383	+ 56
785	16.5	+ 2.75	449.7	− 2.43	+ 14.30	11.79	10.95	+ 153	− 5065	− 38	+ 132	− 118	+ 137
786	14.0	+ 2.01	398.7	− 3.60	+ 2.91	9.78	8.83	+ 975	+ 5679	− 81	+ 712	+ 138	+ 138
787	16.5	− 8.67	296.8	+ 0.28	+ 1.58	11.11	11.10	+ 20	+ 1.4510	+ 341	+ 269	+ 495	+ 230
788	17.2	+ 0.47	851.8	− 2.41	+ 4.88	11.79	11.42	− 118	− 987	− 37	− 74	− 391	− 41
789	17.9	+ 25.22	754.7	− 1.37	− 1.50	12.71	12.61	− 407	− 236	+ 244	− 221	+ 173	+ 169
790	17.5	+ 10.99	1049.9	− 3.36	+ 16.36	12.67	11.70	− 937	− 9104	+ 161	− 461	− 84	+ 113
791	15.5	− 3.07	271.8	+ 0.85	+ 8.99	11.11	10.75	− 985	− 5316	− 218	− 677	− 204	+ 20
792	16.5	+ 29.87	859.1	− 2.99	+ 2.80	12.08	11.46	+ 393	+ 9550	+ 158	+ 64	+ 109	+ 121
793	15.9	− 7.42	214.6	− 0.67	+ 13.00	11.38	10.59	+ 4	+ 827	+ 108	+ 22	+ 36	+ 55
794	14.9	+ 2.40	99.0	− 0.14	+ 4.41	10.81	10.61	− 72	− 799	− 45	− 36	− 79	− 10
795	17.2	− 2.71	674.5	− 1.32	+ 20.19	11.83	11.14	− 345	− 2071	− 49	− 206	− 31	− 11
796	12.7	− 8.01	88.9	− 0.04	+ 5.01	8.87	8.57	+ 508	− 1829	+ 56	+ 281	− 190	+ 173
797	18.0	− 3.32	645.7	− 1.07	+ 10.62	12.39	12.16	+ 14	− 80	+ 314	+ 22	− 136	+ 260
798	14.7	+ 38.45	528.4	− 3.61	− 17.61	11.14	10.09	− 1086	− 2.3519	+ 846	+ 561	− 480	+ 182
799	14.6	+ 1.27	142.5	− 2.25	+ 0.99	11.27	10.91	− 279	+ 187	+ 64	− 190	+ 15	+ 17
800	12.7	− 7.11	89.9	+ 1.59	− 0.77	9.84	9.64	+ 415	− 4142	+ 322	+ 36	− 456	+ 273
801	16.5	+ 4.94	104.2	− 2.67	+ 2.48	13.63	13.10	+ 224	− 372	+ 43	+ 161	− 45	+ 71
802	16.3	+ 9.01	108.4	+ 0.65	+ 1.90	13.76	13.71	− 27	− 359	+ 122	− 1	− 35	+ 76
803	20.1	+ 0.76	238.5	− 0.55	+ 1.82	16.13	16.10	+ 293	− 435	+ 365	+ 164	+ 263	+ 247

(758) BS 6 $0^h\ 1^m.1$ $-49°38'$

J.D.	h	P	m	p	v
	min				
5083	+ 4	+ .83	-600	0.3	+ ".009
5214	+ 6	- .83	-519	0.7	+ 19
5439	+ 6	+ .88	-297	0.8	+ 26
5440	+ 3	+ .88	-312	0.5	- 4
5582	+ 5	- .84	-260	0.7	- 62
5790	- 5	+ .93	- 11	0.7	+ 21
5798	- 6	+ .91	- 20	0.8	- 9
5941	0	- .81	+ 85	0.7	+ 30
5943	+ 3	- .83	+ 93	0.7	+ 43
5944	+10	- .83	+ 32	0.5	- 73
6155	0	+ .93	+260	0.8	- 34
6165	- 4	+ .90	+272	0.8	- 28
6166	-10	+ .90	+282	0.8	- 9
6298	0	- .73	+386	0.7	+ 41
6299	0	- .74	+348	1.0	- 32
6309	+ 6	- .83	+378	0.8	+ 13
6310	+ 6	- .83	+374	1.0	+ 4
6517	+ 3	+ .93	+594	1.0	+ 34
6518	+ 4	+ .93	+576	0.8	- 2
6541	0	+ .85	+592	0.8	- 6

(759) ε Phoe $0^h\ 4^m.3$ $-46°18'$

J.D.	h	P	m	p	v
	min				
4475	0	- .76	-110	0.5	- ".030
4483	+ 3	- .82	- 57	0.6	+ 71
4484	- 5	- .83	-104	0.8	- 19
4690	+ 4	+ .93	0	0.9	+ 15
4692	+ 3	+ .93	+ 29	0.7	+ 68
4697	0	+ .93	+ 4	1.0	+ 21
4698	+ 2	+ .93	0	1.0	+ 11
4704	0	+ .91	- 50	1.0	- 85
4844	+ 6	- .78	- 56	0.8	- 30
4849	0	- .83	- 21	0.7	+ 32
4850	0	- .83	- 40	0.7	- 4
4853	0	- .85	- 54	1.0	- 28
5056	+ 4	+ .93	+ 40	0.8	- 19
5058	0	+ .93	+ 44	0.9	- 11
5077	0	+ .88	+ 65	0.8	+ 26
5081	+ 2	+ .85	+ 40	0.8	- 21
5199	+ 5	- .70	+ 63	1.0	+ 81
5202	+ 3	- .73	+ 58	1.0	+ 73
5204	+ 5	- .74	- 6	0.9	- 47
5212	+ 3	- .82	- 26	1.0	- 83

(760) Υ Phoe $1^h\ 24^m.0$ $-43°50'$

J.D.	h	P	m	p	v
	min				
4495	+10	- .76	+ 1	0.8	- ".062
4497	- 4	- .77	+100	0.5	+ 126
4710	0	+ .94	+ 6	0.8	- 21
4716	0	+ .94	+ 2	1.0	- 26
4725	+ 4	+ .92	- 2	0.8	- 34
4726	0	+ .92	+ 52	1.0	+ 70
4850	+ 2	- .64	+ 3	0.9	- 17
4866	+ 4	- .80	+ 18	0.9	+ 13
5081	0	+ .94	- 17	0.6	- 23
5105	+ 8	+ .85	0	0.8	+ 15
5106	+ 9	+ .84	- 4	0.5	+ 6
5108	+ 4	+ .82	- 27	0.7	- 36
5212	+ 5	- .61	- 8	1.0	+ 4
5221	+ 5	- .71	- 6	0.9	+ 11
5225	+ 4	- .75	- 8	0.8	+ 4
5234	+ 8	- .82	- 28	1.0	- 30
5452	+ 7	+ .93	0	0.7	+ 53
5458	+ 5	+ .92	- 35	0.8	- 11
5581	+ 6	- .65	- 36	0.7	- 6

(761) ε Scul $1^h\ 41^m.0$ $-25°33'$

J.D.	h	P	m	p	v
	min				
4726	- 8	+ .94	-185	0.7	+ ".021
4727	0	+ .94	-227	0.7	- 60
4734	- 3	+ .91	-188	0.8	+ 11
4750	- 2	+ .80	-175	0.7	+ 34
5230	+ 4	- .76	-100	0.8	+ 28
5593	+ 6	- .73	- 2	0.7	+ 64
5822	0	+ .94	+ 15	0.7	- 47
5956	+ 3	- .71	+ 21	0.7	- 39
5966	+ 3	- .80	+ 2	0.7	- 77
6184	+ 4	+ .94	+114	1.0	- 6
6192	+ 3	+ .92	+102	0.7	- 32
6325	+ 5	- .75	+175	0.5	+ 103
6685	+ 8	- .70	+200	1.0	+ 6
6689	+ 2	- .74	+179	1.0	- 34
6696	+ 2	- .80	+192	1.0	- 11
6699	+ 3	- .82	+199	0.8	0
6907	+ 3	+ .95	+280	0.8	+ 17
6910	+ 4	+ .95	+280	0.7	+ 19
6914	+ 2	+ .94	+274	0.8	+ 2
6916	- 3	+ .94	+284	1.0	+ 21

(762) ι Erid $2^h\ 36^m.7$ $-40°17'$

J.D.	h	P	m	p	v
	min				
4495	- 5	- .56	- 85	0.6	+ " 19
4499	+ 4	- .60	-102	0.7	+ 15
4512	0	- .75	- 77	0.6	+ 64
4515	+ 8	- .79	-107	0.6	+ 8
4520	+11	- .82	- 80	0.6	+ 60
4726	- 5	+ .96	- 74	0.5	- 34
4730	+ 2	+ .96	- 48	0.6	+ 13
4735	+ 2	+ .96	- 46	0.5	+ 17
4760	- 3	+ .85	- 80	0.7	- 49
4765	- 8	+ .81	- 83	0.8	- 56
4867	0	- .64	- 87	0.7	- 41
4872	0	- .70	- 81	0.7	- 28
4876	0	- .74	- 72	0.7	- 13
4887	+ 5	- .84	- 65	0.7	+ 2
5108	+ 5	+ .95	+ 32	0.6	+ 77
5112	0	+ .93	- 27	0.7	- 36
5117	+ 3	+ .91	+ 3	0.8	+ 23
5130	0	+ .82	- 2	0.8	+ 11
5229	+ 9	- .60	- 44	0.7	- 45
5244	0	- .77	- 25	0.8	- 8
5245	+ 5	- .78	- 43	0.7	- 41
5248	+ 5	- .80	- 17	0.7	+ 8
6560	+ 4	+ .97	+158	0.8	- 24
6578	+ 6	+ .91	+198	1.0	+ 47

(763) ν Hydi $2^h\ 51^m.1$ $-75°29'$

J.D.	h	P	m	p	v
	min				
4516	+ 7	- .77	+ 58	0.8	+ ".028
4522	+ 4	- .81	+ 29	0.5	- 26
4734	- 3	+ .97	+ 47	0.7	+ 26
4765	0	+ .84	+ 43	0.8	+ 21
4767	+ 3	+ .83	+ 40	0.7	+ 17
4775	+ 3	+ .76	+ 18	0.8	- 24
4876	0	- .71	+ 12	0.8	- 15
4886	0	- .81	+ 28	1.0	+ 15
5112	0	+ .95	+ 16	0.7	+ 15
5127	+ 5	+ .87	+ 1	0.7	- 13
5129	- 3	+ .86	+ 14	0.7	+ 13
5130	0	+ .85	+ 19	0.8	+ 21
5133	+ 3	+ .82	0	0.6	- 13
5244	0	- .74	- 5	0.8	- 4
5248	+ 5	- .78	- 34	1.0	- 55
5249	+ 3	- .79	- 18	0.9	- 26
5833	+ 6	+ .97	- 61	0.7	- 41
5849	+ 5	+ .92	- 55	0.8	- 30
5968	- 5	- .66	- 13	1.0	+ 70
5985	+ 4	- .83	- 45	0.7	+ 11

(764) α Forn 3h 7m.8 -29° 23'

J.D.	h	P	m	p	v
	min				
4506	+ 4	- .60	-625	0.5	-".009
4520	0	- .77	-660	0.6	- 75
4522	+ 7	- .79	-609	0.6	+ 21
4527	0	- .83	-599	0.5	+ 39
4741	0	+ .98	-441	0.8	+ 23
4744	0	+ .97	-459	0.5	- 13
4750	0	+ .96	-458	0.7	- 15
4756	+ 5	+ .95	-457	0.8	- 19
4776	- 8	+ .80	-428	0.7	+ 30
4872	0	- .61	-459	0.7	- 11
4880	+ 4	- .71	-443	0.7	+ 19
4889	+ 3	- .80	-442	0.7	+ 19
4892	0	- .83	-405	0.8	+ 90
5105	- 3	+ .98	-272	0.7	+ 26
5117	0	+ .96	-298	0.7	- 30
5127	0	+ .90	-295	0.7	- 30
5130	- 2	+ .89	-273	0.7	+ 9
5244	0	- .70	-317	0.7	- 56
5245	+ 3	- .71	-320	0.8	- 62
5248	+ 2	- .74	-284	0.7	+ 6
6572	+ 4	+ .97	+388	0.8	+ 8
6587	- 4	+ .91	+410	1.0	+ 39
6708	- 3	- .72	+405	0.8	+ 41
6712	- 2	- .77	+392	1.0	+ 17
6715	0	- .80	+381	0.8	- 4
6721	+ 6	- .84	+367	0.6	- 32
6937	0	+ .97	+552	0.8	0
6946	+ 5	+ .94	+532	0.8	- 43

(765) 36 Erid 3h 55m.7 -24° 18'

J.D.	h	P	m	p	v
	min				
4796	+ 2	+ .72	- 24	0.8	-".051
4797	- 7	+ .71	- 24	0.7	- 51
4798	+ 5	+ .70	+ 5	1.0	+ 6
4889	+ 4	- .69	+ 55	0.5	+ 111
4892	0	- .73	0	0.9	+ 8
5125	+ 2	+ .98	+ 39	0.6	+ 55
5134	0	+ .95	+ 80	0.5	+ 130
5249	- 2	- .63	- 58	0.7	- 117
5256	- 3	- .72	- 8	1.0	- 21
5267	0	- .82	- 27	0.5	- 56
5270	0	- .85	+ 13	0.8	+ 19
5489	- 6	+ .98	+ 15	0.6	- 4
5496	- 4	+ .96	+ 24	0.7	+ 9
5616	- 8	- .66	- 17	0.7	- 53
5621	- 3	- .72	+ 37	0.9	+ 51
5632	0	- .82	+ 52	0.6	+ 79
5853	- 5	+ .98	+ 38	1.0	+ 23
5854	+ 2	+ .98	- 13	0.8	- 71

(766) BS 1628 4h 58m.1 - 26° 25'

J.D.	h	P	m	p	v
	min				
4531	+ 3	- .62	- 7	0.7	+".028
4559	+10	- .91	- 39	0.5	- 36
4775	- 3	+ .99	+ 13	0.5	+ 21
4776	0	+ .99	0	0.8	- 4
4780	+ 2	+ .98	0	0.8	- 6
4795	- 3	+ .88	- 11	1.0	- 28
4912	+ 5	- .80	- 1	1.0	- 28
4918	+ 2	- .85	+ 18	0.8	+ 8
4922	+ 3	- .89	+ 37	1.0	+ 43
4923	0	- .90	+ 14	0.5	0
5145	- 2	+ .97	+ 70	0.8	+ 62
5147	- 3	+ .97	+ 17	0.8	- 38
5152	0	+ .94	+ 47	1.0	+ 17
5175	0	+ .74	+ 26	0.8	- 24
5265	0	- .66	+ 51	0.8	+ 8
5273	+ 4	- .75	+ 38	0.8	- 17
5291	+ 7	- .91	+ 43	0.8	- 11

(767) PGC 1232 5h 5m.3 -41° 21'

J.D.	h	P	m	p	v
	min				
5548	- 9	+ .65	+ 90	1.0	-".017
5906	+ 7	+ .75	+ 64	0.8	+ 4
6011	0	- .82	+ 34	0.7	+ 4
6019	+ 4	- .89	+ 30	0.8	+ 2
6256	+10	+ .90	+ 14	0.8	- 24
6270	+ 7	+ .76	+ 4	0.8	- 38
6364	0	- .68	- 13	1.0	- 17
6382	+ 4	- .87	+ 31	1.0	+ 75
6631	0	+ .80	+ 12	1.0	+ 49
6731	+ 3	- .70	- 58	0.8	- 28
6743	+ 2	- .83	- 43	1.0	+ 8
7007	- 4	+ .69	- 32	1.0	+ 41
7008	- 7	+ .67	- 66	0.8	- 19
7093	0	- .67	- 50	0.3	+ 56
7096	+ 7	- .69	-106	0.8	- 43
7107	0	- .82	- 86	0.8	- 6
7110	+ 3	- .85	-109	0.7	- 43
7339	+ 8	+ .97	- 87	1.0	- 2

(768) μ Leps 5h 8m.4 -16° 19'

J.D.	h	P	m	p	v
	min				
4531	0	- .59	-108	0.7	-".015
5915	- 7	+ .65	- 33	1.0	- 66
6011	+ 3	- .81	+ 58	0.7	+ 102
6015	+ 4	- .85	+ 6	0.8	+ 2
6265	+ 9	+ .83	+ 6	1.0	- 38
6270	+10	+ .77	+ 14	0.8	- 24
6272	+11	+ .75	+ 41	0.8	+ 28
6366	0	- .70	- 11	1.0	- 75
6379	+ 6	- .84	+ 58	1.2	+ 55
6391	+11	- .93	+ 61	0.8	+ 58
6615	+ 5	+ .94	+ 59	0.7	+ 15
6628	+ 6	+ .85	+ 42	1.2	- 19
6630	+ 7	+ .83	+ 73	1.0	+ 41
6743	+ 7	- .83	+ 50	1.2	- 11
6749	+ 7	- .87	+ 77	1.0	+ 43
6976	+ 4	+ .97	+133	0.8	+ 105
6977	+10	+ .96	+ 75	1.2	0
6995	+ 9	+ .84	+ 74	0.8	- 8
7007	+ 8	+ .70	+ 74	0.8	- 6
7097	+ 3	- .70	+ 61	1.2	- 38
7105	0	- .80	+ 68	1.2	- 23
7107	+ 3	- .81	+ 51	1.0	- 56
7113	+ 5	- .85	+ 82	1.2	+ 4

(769) o Colm 5h 13.9m -35° 0'

J.D.	h (min)	P	m	p	v (")
4558	0	- .87	- 26	0.7	+ .047
4790	- 2	+ .95	- 23	1.0	- 13
4797	+ 4	+ .90	- 1	0.7	+ 28
4799	+ 2	+ .88	0	0.8	+ 32
4802	- 3	+ .85	- 20	0.7	- 9
4913	+ 4	- .78	+ 23	0.7	+ 53
4921	0	- .85	- 30	0.8	- 49
4922	- 3	- .86	- 13	1.0	- 17
4927	+ 3	- .90	- 13	1.0	- 19
5150	0	+ .97	+ 17	1.0	- 28
5159	+ 5	+ .93	+ 24	1.0	- 17
5160	+ 2	+ .92	0	0.8	- 60
5175	0	+ .78	+ 64	0.8	+ 56
5265	0	- .62	+ 32	1.0	- 19
5273	0	- .71	+ 35	0.6	- 15
5518	+ 7	+ .96	+ 98	0.8	+ 36
5524	0	+ .93	+ 84	0.8	+ 6
5645	+ 5	- .79	+ 70	1.0	- 41
5657	+ 4	- .90	+ 138	0.7	+ 83

(770) φ² Orio 5h 31.4m +9° 14'

J.D.	h (min)	P	m	p	v (")
5548	0	+ .74	- 78	0.7	- .006
5550	0	+ .72	- 83	0.7	- 15
5655	0	- .85	- 84	0.8	- 19
5658	+ 2	- .88	- 83	0.8	- 15
5663	+ 4	- .92	- 78	0.7	- 8
5886	+ 4	+ .96	- 9	0.7	+ 26
5901	+ 9	+ .86	- 24	0.7	- 4
5910	+ 4	+ .78	+ 2	0.8	+ 43
6004	+ 4	- .67	- 20	0.8	+ 2
6031	+ 9	- .93	- 13	0.7	+ 13
6276	+ 7	+ .77	+ 13	1.0	- 38
6277	+ 2	+ .76	+ 33	1.0	0
6379	+ 6	- .79	+ 31	1.0	- 4
6386	- 8	- .86	+ 20	0.8	- 26
6388	0	- .86	+ 48	1.0	+ 26
6393	- 4	- .91	+ 61	1.0	+ 51
6627	0	+ .91	+ 72	0.8	- 26
6628	+ 5	+ .90	+ 77	1.0	- 17
6629	0	+ .89	+ 105	1.0	+ 34
6746	+ 3	- .81	+ 59	0.8	- 53
6760	- 3	- .92	+ 90	0.7	+ 4
6995	- 7	+ .88	+ 132	0.8	- 17
7007	- 3	+ .77	+ 157	0.8	+ 28

(771) 51 Orio 5h 37.3m +1° 26'

J.D.	h (min)	P	m	p	v (")
5548	0	+ .75	+ 54	0.7	+ .043
5550	+ 3	+ .74	+ 21	0.7	- 19
5642	+ 4	- .70	+ 52	0.7	+ 51
5652	+ 3	- .81	- 12	0.8	- 68
5659	+ 4	- .87	+ 33	0.8	+ 17
5890	0	+ .95	- 17	0.8	- 41
5900	+ 4	+ .89	+ 22	0.6	+ 32
5910	+ 9	+ .79	+ 15	0.8	+ 21
5918	- 3	+ .70	- 22	0.7	- 51
6010	- 2	- .73	- 10	1.0	- 13
6016	0	- .80	+ 3	1.0	+ 11
6028	+ 3	- .90	- 6	0.8	- 6
6277	+ 5	+ .77	- 4	0.7	+ 34
6379	+ 6	- .77	- 16	1.0	+ 26
6382	+ 4	- .80	- 23	1.0	+ 13
6391	+ 2	- .88	- 12	0.8	+ 34
6395	+ 6	- .92	- 64	0.8	- 66
6629	+ 2	+ .90	- 62	0.7	- 24
6646	+ 7	+ .73	- 32	1.0	+ 32
6746	+ 3	- .79	- 58	1.0	- 2
6995	+ 8	+ .90	- 93	1.0	- 34
7011	- 10	+ .73	- 68	0.8	+ 17

(772) BS 2049 5h 48.6m -52° 8'

J.D.	h (min)	P	m	p	v (")
5551	- 7	+ .74	- 28	0.8	- .047
5553	- 5	+ .72	+ 8	1.0	+ 21
5651	+ 6	- .78	- 40	0.8	- 47
5655	+ 3	- .82	+ 7	0.8	+ 45
5658	0	- .85	- 21	0.7	- 9
5896	+ 4	+ .93	+ 25	0.7	+ 45
5906	+ 3	+ .85	+ 5	0.7	+ 8
6030	+ 6	- .90	- 19	0.7	- 8
6036	+ 10	- .94	+ 20	0.5	+ 66
6270	0	+ .86	- 8	0.7	- 19
6276	+ 2	+ .80	- 37	0.7	- 73
6292	0	+ .62	+ 38	0.8	+ 71
6379	+ 3	- .75	+ 7	1.0	+ 36
6382	+ 3	- .78	- 27	1.0	- 26
6386	- 3	- .82	- 24	1.0	- 21
6388	0	- .84	- 25	1.0	- 23
6628	+ 5	+ .92	- 19	0.8	- 45
6629	0	+ .91	+ 14	0.7	+ 19
6749	- 3	- .80	- 16	0.8	- 11
6763	- 4	- .92	- 5	0.8	+ 13
7012	+ 10	+ .74	+ 8	1.0	+ 6
7020	- 2	+ .65	+ 13	0.7	+ 17

(773) 75 Orio 6h 11.6m +9° 59'

J.D.	h (min)	P	m	p	v (")
4558	+ 2	- .75	+ 5	0.8	- .030
4576	0	- .92	+ 76	0.5	+ 105
4801	- 4	+ .95	- 7	1.0	- 66
4802	- 4	+ .94	+ 32	0.5	+ 8
4813	+ 2	+ .88	+ 86	1.0	+ 111
4830	0	+ .70	+ 11	0.8	- 30
4927	0	- .78	- 30	0.8	- 77
4928	- 3	- .80	+ 7	1.0	- 9
4949	+ 5	- .96	0	0.7	- 15
5178	+ 4	+ .88	+ 15	0.8	- 6
5193	+ 7	+ .73	+ 24	1.0	+ 15
5194	+ 5	+ .72	- 4	1.0	- 39
5195	- 4	+ .71	+ 18	0.6	+ 4
5285	+ 5	- .70	+ 33	0.7	+ 56
5303	0	- .88	+ 7	1.0	+ 13
5306	+ 3	- .91	+ 1	1.0	0
5316	+ 6	- .97	0	0.8	+ 2

(774) BS 2251 6h 12.0m +5° 8'

J.D.	h (min)	P	m	p	v (")
5561	0	+ .70	+ 342	0.6	+ .002
5658	0	- .80	+ 242	0.7	- 53
5659	0	- .80	+ 258	0.7	- 23
5910	+ 4	+ .87	+ 239	0.7	+ 15
5922	0	+ .74	+ 248	0.7	+ 45
6038	+ 3	- .93	+ 164	0.7	+ 39
6047	+ 10	- .97	+ 140	0.7	+ 2
6274	+ 2	+ .88	+ 88	0.7	- 43
6297	+ 4	+ .62	+ 116	0.8	+ 36
6299	0	+ .60	+ 78	0.8	- 34
6386	- 4	- .77	+ 33	0.8	+ 2
6391	- 2	- .82	+ 76	0.8	+ 88
6407	- 5	- .95	+ 10	0.8	- 19
6646	+ 2	+ .81	- 4	0.8	+ 13
6661	- 9	+ .64	- 42	0.8	- 39
6749	0	- .74	- 64	0.7	+ 39
6761	+ 3	- .86	- 90	1.0	+ 4
6764	- 2	- .88	- 160	0.5	- 124
6769	+ 8	- .93	- 100	0.8	- 6
7017	+ 5	+ .75	- 157	0.6	- 41
7028	- 5	+ .62	- 118	0.8	+ 45

(775) R CMaj $7^h 14^m.9$ $-16°12'$

J.D.	h	P	m	p	v
	min				
5561	+ 5	+ .83	-116	0.5	-".026
5576	+ 5	+ .68	-110	0.8	- 17
5581	-10	+ .61	- 84	0.8	+ 32
5582	+ 4	+ .61	- 80	0.8	+ 38
5684	+ 8	- .89	-141	0.8	- 88
5685	+ 6	- .90	-124	1.0	- 56
5696	0	- .96	- 87	0.8	+ 11
5697	0	- .97	- 88	0.7	+ 8
5922	+ 4	+ .88	+ 5	0.7	+ 68
5940	+ 2	+ .70	- 57	1.0	- 51
6039	0	- .81	- 2	1.0	+ 39
6050	- 6	- .90	+ 24	1.0	+ 86
6052	+ 5	- .91	+ 5	1.0	+ 51
6067	+14	- .99	- 26	0.7	- 11
6297	0	+ .79	+ 67	1.0	+ 49
6300	- 2	+ .75	+ 35	0.6	- 13
6303	+ 2	+ .72	- 4	0.8	- 86
6309	0	+ .64	+ 40	0.8	- 4
6428	+ 3	- .97	+ 24	1.0	- 51

(776) BS 3314 $8^h 20^m.7$ $-3°35'$

J.D.	h	P	m	p	v
	min				
4623	0	- .97	+ 65	0.6	-".034
4625	+ 4	- .98	+ 98	0.8	+ 28
4626	- 3	- .98	+102	0.7	+ 38
4627	0	- .98	+ 95	0.7	+ 23
5576	- 5	+ .84	+ 36	0.7	- 13
5581	+ 4	+ .79	+ 87	0.7	+ 83
5582	+ 6	+ .78	+ 2	0.7	- 75
5586	+ 4	+ .73	- 2	0.7	- 83
5704	+ 2	- .91	- 7	0.7	- 38
5705	+ 3	- .91	+ 5	0.8	- 17
5714	+ 2	- .96	- 1	0.7	- 23
5940	0	+ .85	+ 33	0.7	+ 23
5949	+ 4	+ .75	+ 19	0.8	+ 4
6309	0	+ .81	- 38	0.8	- 64
6323	+ 6	+ .65	+ 38	0.8	+ 86
6325	+ 5	+ .63	+ 23	0.7	+ 56
6421	0	- .80	- 29	1.0	+ 6
6424	0	- .83	- 40	0.8	- 15
6438	0	- .93	- 25	1.0	+ 19
6444	+ 3	- .96	- 43	0.8	- 15

(777) ε Hyda $8^h 41^m.5$ $+6°47'$

J.D.	h	P	m	p	v
	min				
4625	+10	- .95	- 35	0.5	-".077
4626	+ 3	- .96	+ 95	0.7	+ 165
4627	+ 2	- .96	- 1	0.7	- 13
4628	+ 5	- .96	+ 12	1.0	+ 9
5581	+ 4	+ .83	- 60	0.6	- 70
5597	+ 8	+ .66	- 69	0.8	- 88
5947	0	+ .82	- 22	0.8	+ 17
5949	+ 6	+ .80	- 36	1.0	- 11
6077	0	- .91	- 51	1.0	- 45
6093	- 4	- .97	- 6	1.0	+ 38
6312	- 4	+ .82	- 39	1.0	- 2
6332	0	+ .60	- 36	1.0	+ 4
6449	0	- .94	- 55	1.0	- 38
6454	- 8	- .96	- 12	1.0	+ 43
6685	+ 3	+ .75	- 63	0.8	- 28
6692	- 5	+ .66	- 69	1.0	- 41
6813	- 6	- .95	- 45	0.8	- 2
7051	+10	+ .74	- 30	0.8	+ 47
7052	+ 7	+ .73	+ 4	1.2	+ 113
7168	0	- .89	- 62	1.0	- 21
7169	0	- .90	- 90	0.8	- 71
7170	+ 9	- .90	- 50	0.8	+ 2

(778) $8^h 43^m.1$ $+6°51'$

J.D.	h	P	m	p	v
	min				
4625	+10	- .95	- 45	0.3	-".064
4626	+ 3	- .96	+ 5	0.6	+ 30
4627	+ 2	- .96	- 25	0.7	- 26
4628	+ 5	- .96	+ 29	0.8	+ 75
5581	+ 4	+ .83	+ 3	0.6	+ 4
5597	+ 8	+ .66	- 20	0.8	- 39
5949	+ 6	+ .80	- 31	0.8	- 66
6077	0	- .91	- 27	0.8	- 47
6093	- 4	- .97	- 6	1.0	- 8
6312	- 4	+ .82	+ 43	0.7	+ 70
6332	0	+ .60	+ 41	0.8	+ 68
6449	0	- .94	- 38	0.8	- 71
6454	- 8	- .96	- 3	0.8	- 4
6692	- 5	+ .66	+ 33	0.8	+ 49
6813	- 6	- .95	+ 9	0.5	+ 15
7051	+10	+ .74	- 29	0.7	- 71
7052	+ 7	+ .73	+ 7	0.8	- 4
7168	0	- .89	+ 54	0.8	+ 94
7169	0	- .90	- 27	0.6	- 56
7170	+ 9	- .90	+ 7	0.7	+ 8

(779) PGC 2405 $8^h 52^m.4$ $-36°44'$

J.D.	h	P	m	p	v
	min				
4999	+ 2	- .97	+260	0.6	+".024
5000	0	- .97	+214	0.6	- 62
5003	+ 5	- .97	+265	0.7	+ 36
5584	0	+ .82	+131	0.7	+ 38
5598	+ 5	+ .67	+108	0.8	+ 6
5704	0	- .84	+ 67	0.7	+ 21
5724	0	- .95	+ 26	0.6	- 43
5950	+ 5	+ .81	- 10	0.8	- 39
5957	+10	+ .74	- 37	0.7	- 83
5961	0	+ .67	- 3	0.7	- 15
6077	0	- .90	- 36	0.8	+ 23
6093	+ 2	- .96	- 40	0.7	+ 24
6323	0	+ .74	- 73	0.8	+ 38
6325	+ 2	+ .71	- 84	0.8	+ 19
6332	+ 8	+ .62	- 94	1.0	+ 6
6438	+ 6	- .87	-160	0.8	- 28
6453	+ 2	- .95	-145	0.8	+ 9
6684	0	+ .78	-183	1.0	+ 15
6685	+ 5	+ .77	-177	1.0	+ 28
6686	0	+ .76	-204	1.0	- 23
6800	0	- .84	-243	0.8	+ 2
6802	+ 4	- .86	-254	0.8	- 17
6812	+ 2	- .93	-258	0.8	- 19

(780) BS 3588 $8^h 55^m.5$ $-46°51'$

J.D.	h	P	m	p	v
	min				
4999	+ 4	- .96	+107	0.3	+".060
5000	+ 3	- .96	+ 63	1.0	- 21
5004	+ 3	- .97	+ 49	1.0	- 45
5235	+ 4	+ .65	+ 67	0.8	+ 32
5581	0	+ .84	+ 28	0.7	+ 43
5582	0	+ .84	+ 16	0.7	+ 23
5583	- 5	+ .84	+ 7	0.8	+ 4
5597	+ 5	+ .69	0	1.0	- 4
5705	0	- .85	0	1.0	+ 38
5718	- 3	- .93	- 10	1.0	+ 21
5721	0	- .94	- 20	0.8	+ 2
5724	+ 2	- .95	- 37	0.7	- 26
5950	+ 8	+ .81	- 65	1.0	- 39
5956	+ 2	+ .76	- 47	0.8	- 2
5961	+ 3	+ .70	- 79	0.8	- 60
5968	- 7	+ .62	- 43	1.2	+ 8
6077	+ 2	- .90	- 71	1.0	- 4
6078	+ 3	- .91	- 59	1.0	+ 21
6083	- 5	- .93	- 76	0.8	- 11
6088	+ 5	- .95	- 67	0.8	+ 6

(781) 23 Hyda $9^h\ 11^m.7$ $-5°56'$

J.D.	h	P	m	p	v
	min				
4506	+ 2	+ .68	+ 88	0.3	+ ".017
4515	- 7	+ .57	+ 107	0.7	+ 55
4522	+ 7	+ .47	+ 100	0.6	+ 43
4618	+ 5	- .88	+ 47	0.7	- 36
4625	+ 5	- .92	+ 59	0.7	- 13
4645	+ 5	- .97	+ 46	0.8	- 38
4860	0	+ .80	+ 78	0.7	- 23
4884	- 5	+ .51	+ 68	0.3	- 36
4978	0	- .84	+ 74	0.7	- 6
4993	- 4	- .93	+ 72	0.7	- 8
4996	- 8	- .94	+ 75	0.7	0
5223	0	+ .82	+ 87	0.8	- 24
5234	+ 3	+ .70	+ 116	0.7	+ 32
5235	0	+ .69	+ 118	0.7	+ 36
5244	+ 4	+ .59	+ 113	0.8	+ 28
5339	0	- .80	+ 86	0.7	- 2
5340	0	- .81	+ 58	0.8	- 55
5357	- 2	- .93	+ 107	0.7	+ 39
5361	- 3	- .94	+ 98	0.8	+ 21
5597	+ 5	+ .74	+ 106	0.7	- 9
5604	+ 6	+ .65	+ 117	0.7	+ 13
5706	0	- .82	+ 87	0.8	- 21
5721	+ 3	- .92	+ 87	0.7	- 17
5724	+ 4	- .94	+ 104	1.0	+ 17
5957	+ 3	+ .78	+ 120	0.5	0
5972	- 3	+ .62	+ 125	1.0	+ 13
6093	+ 5	- .94	+ 110	1.0	+ 6
6095	0	- .96	+ 99	0.8	- 13
6323	- 2	+ .77	+ 102	0.8	- 53
6325	- 4	+ .76	+ 120	0.8	- 19
6438	+ 2	- .83	+ 148	0.8	+ 58
6454	- 5	- .91	+ 128	1.0	+ 23
6689	- 2	+ .77	+ 122	0.8	- 34
6826	+ 3	- .95	+ 132	1.0	+ 11

(782) BS 3807 $9^h\ 28^m.4$ $-40°13'$

J.D.	h	P	m	p	v
	min				
4503	+ 9	+ .75	- 64	0.7	- ".083
4504	0	+ .75	+ 5	0.7	+ 49
4515	+ 8	+ .61	- 30	1.0	- 15
4618	+ 6	- .84	- 31	1.0	0
4632	+ 8	- .93	- 47	1.0	- 30
4636	+ 5	- .94	- 13	1.0	+ 34
4644	+ 5	- .96	- 31	1.0	0
4860	+ 4	+ .83	+ 4	0.8	+ 13
4873	+ 7	+ .70	+ 8	1.0	+ 23
4876	0	+ .66	- 13	1.0	- 17
4993	+ 5	- .90	+ 26	1.0	+ 75
4996	+ 3	- .92	- 16	0.7	- 4
4998	+ 8	- .93	- 30	0.8	- 30
5229	+ 2	+ .79	+ 13	0.6	- 2
5234	+ 2	+ .74	+ 24	1.0	+ 21
5235	+ 8	+ .73	+ 20	1.0	+ 13
5242	+ 3	+ .66	+ 4	0.8	- 17
5361	+ 6	- .92	+ 10	0.8	+ 13
5362	+ 6	- .92	0	1.0	- 6
5364	+ 7	- .93	0	1.0	- 6
5371	+ 3	- .95	- 36	0.7	- 71

(783) BS 3991 $10^h\ 5^m.2$ $-12°19'$

J.D.	h	P	m	p	v
	min				
5017	- 7	- .94	+ 197	0.5	+ ".002
5022	0	- .95	+ 207	1.0	+ 24
5378	+ 3	- .94	+ 129	0.8	+ 6
5383	0	- .95	+ 107	0.8	- 34
5615	0	+ .67	+ 92	1.0	- 13
5616	- 7	+ .66	+ 89	0.8	- 17
5746	- 4	- .94	+ 35	0.8	- 39
5968	- 4	+ .79	+ 53	0.8	+ 41
5972	0	+ .75	+ 26	1.0	- 9
5980	- 10	+ .67	+ 27	1.0	- 4
6102	- 10	- .91	- 10	0.6	+ 2
6106	- 6	- .93	+ 36	0.8	+ 90
6332	- 6	+ .80	- 41	1.0	- 6
6337	- 3	+ .76	- 18	1.0	+ 39
6338	- 9	+ .75	- 35	0.8	+ 6
6344	- 4	+ .68	- 77	0.8	- 68
6345	0	+ .67	- 25	0.7	+ 32
6453	- 3	- .82	- 104	1.0	- 49
6469	0	- .92	- 71	0.8	+ 21
6470	- 5	- .92	- 82	0.7	0
6471	0	- .93	- 86	1.0	- 8

(784) λ Crat $11^h\ 18^m.4$ $-18°14'$

J.D.	h	P	m	p	v
	min				
4522	+ 2	+ .80	+ 176	0.6	+ ".049
4523	+ 2	+ .79	+ 173	0.5	+ 45
4531	+ 7	+ .74	+ 155	0.7	+ 15
4532	- 5	+ .73	+ 140	0.5	- 11
4644	- 4	- .79	+ 26	0.5	- 132
4651	- 6	- .85	+ 136	0.7	+ 83
4662	+ 2	- .91	+ 87	0.7	- 2
4666	- 2	- .92	+ 58	0.7	- 53
4669	- 2	- .93	+ 81	0.7	- 5
4886	0	+ .81	- 13	0.6	- 45
4893	- 2	+ .76	- 9	0.8	- 34
4895	- 3	+ .75	+ 13	0.7	+ 11
5032	+ 5	- .92	- 41	0.8	+ 23
5035	- 3	- .93	- 59	0.8	- 8
5039	+ 3	- .93	- 39	0.7	+ 32
5042	- 4	- .94	- 52	0.7	+ 11
5255	+ 5	+ .79	- 152	0.7	- 41
5267	0	+ .68	- 127	0.8	+ 15
5271	0	+ .63	- 131	0.8	+ 9
5273	- 9	+ .62	- 131	0.8	+ 13

(785) BS 4409 $11^h\ 20^m.6$ $-35°31'$

J.D.	h	P	m	p	v
	min				
4668	+ 6	- .92	+ 96	0.3	+ ".019
4676	+ 8	- .93	+ 125	0.8	+ 75
4678	+ 2	- .94	+ 84	1.0	- 2
4680	0	- .94	+ 75	1.0	- 19
4892	0	+ .78	+ 95	0.8	+ 19
4894	- 5	+ .76	+ 76	0.8	- 13
5041	- 5	- .93	+ 79	0.5	+ 70
5043	0	- .93	+ 38	0.6	- 8
5267	+ 2	+ .69	+ 21	0.7	- 32
5268	- 4	+ .67	+ 30	0.7	- 17
5396	+ 3	- .91	- 24	1.0	- 45
5403	0	- .93	- 31	0.6	- 58
5616	- 6	+ .82	- 11	0.7	- 19
5623	+ 2	+ .77	- 10	0.8	- 13
5640	+ 8	+ .60	- 30	0.7	- 45
5773	+ 7	- .93	- 37	0.7	+ 13
5985	+ 2	+ .79	- 17	0.7	+ 53
5989	+ 8	+ .76	- 44	1.0	+ 6
5990	+ 2	+ .76	- 20	0.8	+ 51
6123	+ 10	- .90	- 85	0.8	- 4
6130	+ 7	- .92	- 86	0.7	0
6137	+ 10	- .93	- 81	0.8	+ 11

(786) τ Leon 11h 22.8m +3° 24'

J.D.	h	P	m	p	v
	min				
4532	+ 10	+ .74	+ 41	0.3	+ ".124
4537	+ 10	+ .69	+ 13	0.6	+ 70
4644	+ 3	- .78	- 2	0.5	+ 53
4663	0	- .91	- 64	0.7	- 66
4678	+ 7	- .93	- 16	0.5	+ 21
4681	+ 3	- .94	- 46	0.6	- 36
4895	0	+ .76	+ 6	0.7	- 36
4905	- 3	+ .65	0	0.5	- 49
5035	+ 3	- .93	+ 63	0.7	+ 79
5045	+ 5	- .94	+ 32	0.7	+ 15
5267	+ 5	+ .69	+ 81	0.8	+ 8
5270	+ 10	+ .66	+ 70	0.6	- 11
5395	+ 3	- .91	+ 74	0.7	+ 6
5397	+ 3	- .91	+ 47	0.7	- 47
5398	+ 3	- .92	+ 29	0.7	- 83
5404	+ 3	- .93	+ 59	0.8	- 24
5985	+ 6	+ .79	+ 136	0.7	- 75
5997	+ 10	+ .70	+ 182	0.8	+ 9
5999	- 5	+ .67	+ 190	0.7	+ 26
6135	+ 5	- .93	+ 198	1.0	+ 45
6138	+ 4	- .93	+ 195	0.7	+ 39

(787) BS 4600 11h 58.5m - 41° 52'

J.D.	h	P	m	p	v
	min				
5024	- 4	- .82	- 486	0.7	- ".021
5285	- 6	+ .60	- 298	0.7	+ 28
5397	0	- .86	- 290	0.7	+ 2
5404	+ 5	- .90	- 289	0.7	0
5623	- 4	+ .84	- 136	0.7	+ 9
5624	0	+ .84	- 108	0.8	+ 60
5641	- 2	+ .70	- 146	1.0	- 21
5774	0	- .92	- 109	0.8	- 6
5775	+ 4	- .92	- 94	0.8	+ 21
5989	- 6	+ .83	+ 67	0.7	+ 49
5997	- 7	+ .78	+ 42	0.8	- 4
5999	- 5	+ .76	+ 37	0.8	- 11
6001	- 5	+ .74	- 12	0.7	- 103
6139	- 2	- .92	+ 31	0.6	- 83
6145	0	- .93	+ 66	0.7	- 23
6363	- 3	+ .77	+ 227	0.8	+ 4
6364	0	+ .77	+ 226	1.0	+ 2
6377	+ 2	+ .64	+ 221	1.2	- 15
6501	0	- .91	+ 294	0.7	+ 75
6502	0	- .91	+ 274	0.8	+ 38
6507	0	- .92	+ 246	0.8	- 21

(788) 16 Virg 12h 15.3m +3° 52'

J.D.	h	P	m	p	v
	min				
4692	+ 7	- .93	+ 4	0.7	- ".024
4693	+ 7	- .93	+ 32	0.8	+ 30
5649	+ 9	+ .65	+ 14	0.7	+ 28
6008	- 3	+ .72	+ 5	1.0	+ 21
6010	- 2	+ .70	+ 2	0.5	+ 13
6144	+ 4	- .92	- 34	0.6	- 64
6155	+ 5	- .93	- 38	0.5	- 73
6366	+ 4	+ .79	- 25	1.0	- 28
6382	0	+ .63	+ 10	1.2	+ 34
6510	+ 4	- .92	+ 5	0.8	+ 15
6517	0	- .93	- 18	1.0	- 28
6735	0	+ .76	- 14	0.8	0
6746	0	+ .65	- 19	0.8	- 11
6875	+ 3	- .92	- 2	1.0	+ 13
6876	+ 4	- .92	- 4	0.8	+ 6
7096	+ 8	+ .79	+ 6	0.7	+ 45
7097	0	+ .79	- 56	0.7	- 73
7100	0	+ .76	- 39	0.7	- 39
7103	0	+ .74	+ 2	0.6	+ 36
7237	0	- .91	- 7	0.7	+ 9
7241	+ 4	- .92	- 3	0.8	+ 15
7248	0	- .93	+ 2	0.8	+ 28

(789) ι Cruc 12h 39.8m - 60° 26'

J.D.	h	P	m	p	v
	min				
5036	- 2	- .82	- 40	0.7	+ ".004
5060	+ 3	- .93	- 57	0.8	- 24
6007	+ 4	+ .79	- 20	0.7	- 17
6012	+ 4	+ .75	- 25	0.7	- 26
6013	0	+ .74	+ 2	0.8	+ 26
6014	0	+ .72	- 5	0.7	+ 13
6156	+ 8	- .93	- 24	0.6	+ 28
6160	+ 4	- .94	- 48	0.6	- 17
6366	0	+ .84	- 7	1.0	+ 2
6380	+ 6	+ .72	+ 21	1.0	+ 60
6510	+ 6	- .90	- 47	1.0	- 17
6520	+ 4	- .93	- 30	1.0	+ 13
6755	0	+ .62	- 28	1.0	- 34
6876	+ 2	- .90	- 43	0.8	- 15
7096	+ 9	+ .83	+ 16	0.5	+ 39
7098	- 6	+ .83	- 13	0.8	- 17
7099	+ 9	+ .82	- 16	1.0	- 21
7100	0	+ .81	- 15	0.7	- 21
7240	+ 3	- .90	- 42	0.7	- 17
7242	0	- .91	- 4	0.8	+ 55
7248	+ 3	- .92	- 39	1.0	- 11
7249	+ 5	- .92	- 35	1.0	- 2

(790) 32 Virg 12h 40.6m +8° 13'

J.D.	h	P	m	p	v
	min				
4690	+ 4	- .92	+ 50	0.7	- ".008
4692	+ 4	- .92	+ 42	0.8	- 23
4693	+ 4	- .93	+ 65	0.7	+ 21
4699	+ 6	- .94	+ 32	0.6	- 38
4700	+ 6	- .94	+ 31	0.6	- 39
5644	+ 3	+ .77	- 4	0.7	+ 6
5652	- 5	+ .71	- 56	0.7	- 88
6002	+ 3	+ .83	- 27	0.8	+ 19
6003	0	+ .82	- 27	0.8	+ 19
6013	+ 4	+ .74	- 5	0.7	+ 64
6016	- 5	+ .72	- 35	0.8	+ 9
6145	+ 4	- .90	- 52	0.7	+ 32
6159	+ 5	- .94	- 23	0.7	+ 88
6161	+ 4	- .94	- 41	0.6	+ 56
6379	+ 6	+ .73	- 38	0.8	+ 60
6525	+ 3	- .94	- 76	0.8	+ 47
6738	+ 10	+ .80	- 92	0.8	+ 13
6752	+ 5	+ .65	- 126	0.8	- 45
6753	- 4	+ .64	- 138	0.8	- 68
6880	- 2	- .92	- 151	1.0	- 39
6882	+ 3	- .92	- 150	1.0	- 38
6884	+ 5	- .92	- 132	0.8	- 4
6886	+ 2	- .93	- 140	0.8	- 19

(791) BS 5048 13h 18.5m - 63° 58'

J.D.	h	P	m	p	v
	min				
5052	+ 3	- .87	+ 122	0.6	- ".002
5073	+ 2	- .94	+ 138	0.6	+ 36
5434	+ 2	- .94	+ 68	0.7	+ 41
5640	0	+ .87	+ 23	0.6	+ 30
5651	0	+ .81	+ 2	0.8	- 6
5654	+ 9	+ .79	- 11	0.8	- 32
5655	+ 4	+ .77	- 7	0.7	- 19
5794	0	- .93	- 54	0.8	- 49
5804	+ 7	- .94	- 48	0.7	- 36
6007	- 4	+ .87	- 48	0.8	+ 36
6014	0	+ .82	- 73	0.8	- 8
6028	0	+ .70	- 60	0.8	+ 23
6155	+ 9	- .90	- 102	0.8	0
6165	+ 8	- .94	- 123	0.8	- 36
6377	+ 5	+ .84	- 150	1.0	- 15
6380	+ 4	+ .81	- 172	1.0	- 53
6398	+ 4	+ .65	- 124	0.8	+ 45
6399	+ 9	+ .64	- 135	0.8	+ 23
6525	+ 2	- .93	- 149	0.8	+ 53
6526	+ 6	- .93	- 178	0.8	- 2

(792) 78 Virg 13h 29m.1 +4° 10'

J.D.	h	P	m	p	v
	min				″
4692	+ 3	- .88	-152	0.5	-.009
4695	0	- .90	-176	0.5	- 55
4697	+ 4	- .91	-161	0.7	- 26
4711	+ 9	- .94	-120	0.6	+ 47
5652	+ 7	+ .82	- 42	0.7	- 38
6014	+ 2	+ .84	+ 39	0.7	+ 39
6015	- 6	+ .83	+ 22	0.7	+ 6
6016	+ 6	+ .82	+ 6	0.7	- 24
6029	0	+ .72	- 2	0.6	- 39
6159	+ 7	- .92	+ 11	0.7	- 4
6162	+ 5	- .93	+ 39	0.7	+ 47
6166	+ 5	- .93	+ 17	0.7	+ 6
6384	+ 7	+ .81	+ 72	0.7	+ 26
6386	+ 8	+ .79	+ 64	0.7	+ 11
6395	+ 3	+ .71	+ 83	0.8	+ 49
6525	+ 5	- .92	+ 64	0.7	+ 23
6529	0	- .93	+ 79	0.7	+ 49
6752	+10	+ .79	+ 78	0.8	- 38
6771	- 4	+ .60	+ 97	0.8	0
6888	+ 8	- .91	+ 81	1.0	- 21
6889	+ 3	- .91	+ 74	0.8	- 34
6893	+ 5	- .92	+ 86	0.7	- 11
6898	+ 5	- .94	+ 78	1.0	- 26

(793) υ^2 Cent 13h 55m.5 -45° 7'

J.D.	h	P	m	p	v
	min				″
4692	0	- .84	- 9	0.7	+.030
4699	0	- .89	- 37	0.7	- 23
4711	- 5	- .94	- 13	1.0	+ 23
4933	- 5	+ .80	- 27	0.6	- 36
4943	0	+ .70	+ 9	1.0	+ 28
4945	0	+ .68	- 21	0.7	- 26
5059	0	- .85	- 15	0.8	- 6
5071	+ 3	- .92	0	0.7	+ 23
5080	0	- .95	- 12	0.8	- 2
5302	+ 5	+ .76	+ 11	0.8	+ 8
5311	+ 2	+ .67	- 1	0.7	- 13
5312	0	+ .66	- 23	1.0	- 55
5440	0	- .93	- 14	0.8	- 30
5444	+ 3	- .95	+ 3	0.6	+ 2
5650	0	+ .89	+ 43	0.8	+ 43
5651	- 2	+ .89	0	0.8	- 36
5655	0	+ .85	+ 55	1.0	+ 68
5656	0	+ .85	+ 10	0.8	- 17
5798	+ 3	- .91	+ 23	0.8	+ 15
5806	- 2	- .94	+ 3	0.8	- 24

(794) ψ Cent 14h 14m.5 -37° 26'

J.D.	h	P	m	p	v
	min				″
4559	+ 7	+ .89	+47	0.3	+.045
4565	+ 7	+ .86	+30	0.6	+ 15
4576	+ 8	+ .77	+17	0.6	- 9
4578	- 4	+ .76	+11	0.5	- 17
4585	+ 3	+ .68	+59	0.5	+ 71
4692	+ 2	- .81	+29	1.0	+ 30
4697	- 2	- .85	- 9	1.0	- 41
4704	0	- .90	-10	1.0	- 45
4711	0	- .93	+18	0.8	+ 11
4921	- 4	+ .91	-17	0.8	- 21
4924	- 4	+ .89	- 9	0.7	- 4
4927	+ 2	+ .87	-20	0.7	- 26
5056	+ 3	- .80	+14	0.7	+ 55
5064	- 2	- .86	-29	1.0	- 26
5076	+ 3	- .93	-19	0.8	- 4
5080	+ 3	- .94	+ 2	1.0	+ 34
5292	+ 3	+ .87	-15	0.6	+ 39
5302	+ 6	+ .81	-41	0.7	- 9
5306	0	+ .77	-75	0.8	- 71
5307	+ 2	+ .77	-12	0.8	+ 45

(795) BS 5386 14h 18m.4 +8° 54'

J.D.	h	P	m	p	v
	min				″
4692	+ 4	- .80	+ 1	0.7	-.023
4693	+ 8	- .81	+ 4	0.7	- 19
4705	0	- .90	+ 18	0.8	+ 8
4715	- 9	- .94	+ 23	0.6	+ 15
5311	0	+ .74	+ 14	0.6	+ 38
5320	- 5	+ .65	- 41	0.7	- 64
5323	0	+ .61	+ 80	0.7	+ 160
5439	0	- .91	- 1	0.7	+ 15
5440	- 2	- .92	- 35	0.8	- 51
5655	- 6	+ .89	- 25	0.7	- 13
5678	+ 7	+ .72	- 49	0.8	- 60
5811	+ 2	- .94	- 26	0.7	- 11
6028	+ 3	+ .85	- 24	0.7	+ 8
6038	0	+ .78	- 62	0.8	- 62
6042	+ 7	+ .73	- 6	0.7	+ 43
6172	+ 8	- .93	+ 9	0.6	+ 77
6176	+ 8	- .94	- 20	0.6	+ 21
6399	+ 8	+ .81	- 34	1.0	+ 13
6411	+ 9	+ .69	- 44	1.0	- 8
6415	+ 7	+ .65	- 48	1.0	- 15
6539	+ 5	- .93	- 41	0.8	+ 2
6544	+ 9	- .95	- 35	0.8	+ 15
6549	+ 5	- .95	- 61	0.7	- 34

(796) φ Virg 14h 23m.0 -1° 47'

J.D.	h	P	m	p	v
	min				″
4565	+ 7	+ .87	+ 41	0.3	-.160
4576	+ 9	+ .80	+165	0.5	+ 81
4585	+ 4	+ .71	+153	0.6	+ 64
4593	+11	+ .62	+119	0.6	+ 6
4697	0	- .83	+ 45	0.7	- 51
4704	+ 2	- .88	+ 46	0.7	- 43
4710	+ 6	- .92	+ 78	0.8	+ 21
4715	0	- .94	+ 43	0.8	- 43
4927	0	+ .89	+ 44	0.8	- 24
4933	0	+ .85	+ 84	0.6	+ 53
4947	- 5	+ .74	+ 65	0.7	+ 24
5060	+ 4	- .81	+ 24	0.8	+ 38
5076	+ 2	- .92	- 8	0.7	- 11
5081	+ 3	- .94	+ 25	0.7	+ 53
5082	+ 7	- .94	+ 8	0.7	+ 23
5292	+ 5	+ .89	- 60	0.6	- 90
5308	+ 5	+ .78	- 58	0.7	- 79
5311	+ 3	+ .75	+ 9	0.7	+ 51
5320	0	+ .66	- 8	0.7	+ 26

(797) α^2 Libr 14h 45m.3 -15° 38'

J.D.	h	P	m	p	v
	min				″
4693	+ 6	- .74	-27	0.8	-.038
5688	- 4	+ .70	+15	0.8	- 19
6179	+ 9	- .94	-10	1.0	+ 19
6181	+ 7	- .94	+14	1.0	+ 64
6398	+ 6	+ .87	+33	0.8	+ 13
6416	+ 2	+ .72	+ 3	1.0	- 36
6426	+ 3	+ .61	+12	1.0	- 13
6540	0	- .91	-29	1.0	- 17
6553	- 5	- .95	- 5	0.7	+ 32
6789	+ 3	+ .63	+41	1.0	+ 41
6790	- 4	+ .62	+51	0.8	+ 62
6915	+ 9	- .95	-26	1.0	- 4
6917	- 7	- .96	-20	0.7	+ 8
7126	+ 5	+ .89	+16	1.0	- 13
7130	- 4	+ .87	+22	1.0	- 2
7140	+ 6	+ .78	+23	0.8	+ 6
7143	+ 2	+ .76	+12	1.0	- 15
7260	- 7	- .84	-28	0.8	- 9
7265	0	- .87	-44	0.8	- 38
7268	- 8	- .90	-44	1.0	- 38

(798) BS 5542 $14^h 46^m.6$ $-30°10'$

J.D.	h	P	m	p	v
	min				
5085	0	- .94	+464	0.6	-".026
5439	+ 4	- .88	+310	0.7	+ 2
5444	0	- .91	+332	0.7	+ 47
5662	+ 2	+ .90	+224	0.7	- 19
5666	0	+ .89	+210	0.7	- 41
5818	+ 4	- .94	+135	0.6	+ 15
6028	+ 3	+ .90	+ 60	0.6	0
6038	0	+ .84	+ 50	0.7	- 6
6183	+11	- .94	- 57	0.8	- 15
6189	+ 3	- .96	- 17	0.7	+ 66
6413	+ 7	+ .75	-140	0.8	- 23
6420	+ 4	+ .69	-137	0.8	- 6
6423	0	+ .65	-102	0.8	+ 62
6539	+ 4	- .91	-221	0.8	- 4
6555	- 2	- .96	-252	0.5	- 47
6790	+ 6	+ .62	-287	0.8	+ 47
6904	+ 5	- .91	-416	0.8	- 41
6908	+ 3	- .93	-413	1.0	- 30
6910	+ 3	- .93	-400	0.8	- 4
6913	0	- .94	-385	0.8	+ 26

(799) υ Lupi $15^h 18^m.2$ $-39°21'$

J.D.	h	P	m	p	v
	min				
5085	- 2	- .91	-25	0.5	+".009
5334	+ 5	+ .68	-17	0.6	+ 15
5440	0	- .83	-43	0.6	- 34
5451	+ 4	- .91	-22	0.7	+ 8
5454	+ 4	- .92	+ 4	0.6	+ 56
5462	+ 6	- .95	-51	0.8	- 47
5670	+ 6	+ .91	-27	0.7	- 15
5685	+ 5	+ .82	+ 9	0.7	+ 55
5695	+ 5	+ .72	-44	0.8	- 45
5697	0	+ .70	-33	0.8	- 26
5824	+ 8	- .95	+ 2	0.6	+ 43
5833	+ 7	- .97	-13	1.0	+ 15
6039	0	+ .90	- 3	0.7	+ 21
6042	+ 4	+ .88	- 4	0.8	+ 17
6049	+ 4	+ .83	-26	0.8	- 23
6060	+ 8	+ .72	- 7	0.7	+ 13
6181	+10	- .91	- 6	0.7	+ 17
6192	+ 6	- .95	-22	0.8	- 13
6193	+10	- .97	-21	0.7	- 11
6195	+ 9	- .97	-18	1.0	- 6

(800) κ Ophi $16^h 52^m.9$ $+9°32'$

J.D.	h	P	m	p	v
	min				
4609	0	+ .87	+168	0.3	-".073
4611	+ 4	+ .85	+254	0.7	+ 92
4619	0	+ .78	+181	0.6	- 36
4622	0	+ .75	+210	0.7	+ 26
4623	+ 4	+ .74	+158	0.7	- 71
4730	+ 3	- .82	+ 59	0.8	- 85
4734	+ 7	- .86	+118	0.7	+ 32
4744	+ 4	- .94	+149	0.3	+ 103
4756	+ 9	- .99	+ 91	0.5	+ 9
4965	0	+ .94	+ 56	0.7	+ 19
4968	+ 2	+ .91	+ 54	0.7	+ 19
4972	0	+ .89	+ 34	0.8	- 15
5105	+ 5	- .90	- 53	0.7	+ 32
5108	+ 7	- .92	- 84	0.8	- 23
5116	+ 2	- .96	- 80	0.7	- 6
5122	+ 8	- .99	- 74	0.7	+ 11
5327	+ 4	+ .95	-127	0.5	- 17
5330	+ 5	+ .94	- 90	0.6	+ 55
5337	+ 3	+ .89	-154	0.5	- 53
5356	+ 8	+ .71	-152	0.7	- 24

(801) BS 6371 $17^h 3^m.5$ $-44°26'$

J.D.	h	P	m	p	v
	min				
4751	0	- .96	+ 7	0.6	-".034
4756	+ 5	- .98	0	0.6	- 47
4758	0	- .99	0	0.9	- 47
4759	+ 5	- .99	+ 15	0.8	- 19
4976	0	+ .88	+ 51	0.8	+ 43
4979	0	+ .85	+ 59	1.0	+ 58
4981	0	+ .84	+ 29	0.8	+ 2
4984	- 4	+ .81	+ 20	1.0	- 15
5104	- 4	- .87	+ 33	0.7	+ 43
5108	+ 3	- .91	- 6	0.9	- 30
5112	0	- .94	+ 60	0.8	+ 96
5117	- 5	- .96	+ 38	0.9	+ 55
5331	0	+ .94	+ 7	0.6	- 11
5339	0	+ .90	- 7	1.0	- 36
5347	0	+ .83	0	1.0	- 21
5348	+ 2	+ .82	+ 3	1.0	- 15
5473	+ 2	- .91	- 6	0.8	0
5475	0	- .92	- 17	0.6	- 21
5483	+ 3	- .96	+ 3	0.9	+ 21
5487	0	- .98	- 29	0.8	- 39

(802) BS 6546 $17^h 29^m.7$ $-38°34'$

J.D.	h	P	m	p	v
	min				
5696	+ 2	+ .97	+54	0.5	+".066
5714	+ 4	+ .87	+11	0.8	- 13
5718	+ 4	+ .84	+18	0.7	0
5719	0	+ .83	+ 7	1.0	- 21
5833	+ 7	- .81	-18	0.7	- 30
5850	+ 7	- .94	- 3	0.8	+ 2
5852	0	- .95	+ 9	0.8	+ 24
5854	0	- .96	+ 3	0.7	+ 13
5859	-10	- .98	-22	0.6	- 34
6060	- 2	+ .98	- 3	0.7	- 19
6063	- 2	+ .97	+22	0.8	+ 28
6067	0	+ .96	+15	0.6	+ 15
6076	+ 5	+ .90	- 8	0.8	- 26
6211	0	- .92	-32	1.0	- 32
6217	0	- .95	-26	0.7	- 17
6219	+ 6	- .96	-21	0.8	- 8
6222	0	- .98	+ 4	0.8	+ 39
6224	0	- .98	+21	0.7	+ 71
6438	0	+ .92	-24	1.0	- 34
6441	0	+ .90	+10	0.8	+ 32
6455	0	+ .78	-20	1.0	- 21

(803) Cin 2342 $17^h 30^m.7$ $-42°30'$

J.D.	h	P	m	p	v
	min				
6225	+11	- .99	- 4	0.6	-".015
6226	+ 7	- .99	+ 39	0.8	+ 64
6228	+ 3	- .99	+ 17	0.7	+ 26
6456	+ 6	+ .77	+ 43	1.2	+ 6
6460	0	+ .72	+ 33	1.0	- 13
6461	+ 5	+ .71	+ 15	1.0	- 43
6565	+ 5	- .82	- 11	0.8	- 23
6566	0	- .83	- 27	0.8	- 55
6578	0	- .93	- 1	0.8	+ 2
6792	+ 2	+ .97	+ 38	1.0	0
6797	+ 4	+ .96	+ 13	0.8	- 47
6800	+ 5	+ .94	+ 56	1.0	+ 36
6803	- 4	+ .93	+ 56	1.0	+ 36
6932	+ 5	- .83	- 29	0.8	- 41
6944	+ 8	- .93	- 7	1.0	+ 4
6946	+ 4	- .94	+ 7	1.0	+ 32
7156	0	+ .98	+ 50	1.0	+ 36
7173	+ 8	+ .89	+ 21	1.0	- 15
7177	0	+ .86	+ 47	1.0	+ 38
7299	+ 4	- .84	- 10	1.0	+ 9
7314	+ 7	- .95	- 15	1.0	+ 4
7321	- 3	- .99	- 29	0.8	- 19

No.	Name	α (1900)	δ (1900)	DM No.	Vis. M	Spect.	Total μ	Relative Parallax	±p.e.	p.e.1	μ_α from Plates
		h m	° '				″	″	″	″	″
804	33 Pisc	0 0.2	- 6 16	6357	4.68	Ko	.089	+.010	±.008	±.024	-.019
805	η Scul	0 23.0	-33 34	152	4.96	Mb	.055	- .019	6	19	- .012
806	48 Ceti	1 24.8	-22 8	254	5.13	Ao	.059	+ .022	9	27	+ .052
807	ζ Forn	2 55.2	-25 41	1191	5.63	F2	.206	+ .025	8	27	+ .175
808	BS 1275	4 1.5	-27 56	1540	5.57	A5	.224	+ .039	6	21	+ .178
809	BS 1453	4 29.6	-29 58	- 1883	4.59	Ko	.292	+ .045	7	26	- .137
810	v^2 Colm	5 33.8	-28 45	2321	5.32	F2	.059	+ .043	6	19	- .027
811	BS 2094	5 52.6	-52 40	805	5.30	A5	.240	+ .009	6	20	- .015
812	BS 2523	6 44.5	-51 9	2078	5.28	K2	.080	+ .012	6	21	- .014
813	BS 2748	7 10.5	-44 29	3227	var.	Md	.332	+ .034	10	29	+ .101
814	BS 3280	8 17.2	-65 18	907	4.98	Ko	.033	+ .008	6	19	+ .024
815	12 Hyda	8 41.7	-13 11	2673	4.44	G5	.034	+ .005	6	20	+ .020
816	44 Hyda	10 29.2	-23 14	+ 2946	5.32	K2	.010	+ .011	7	24	+ .017
817	PGC 3435	13 9.7	-10 50	3635	6.90	Go	.381	+ .024	7	26	- .192
818	6 Serp	15 15.9	+ 1 5	3067	5.48	Ko	.122	- .001	7	23	- .042
819	43 Herc	16 41.0	+ 8 46	3271	5.38	K2	.017	- .005	6	22	+ .021
820	Cin 2373	17 46.3	-65 42	3528	6.54	F8	.39	+ .018	7	25	+ .083
821	BS 6797	18 4.9	+ 3 6	3613	5.73	F5	.205	+ .034	5	18	+ .017
822	ε Sgtr	18 17.5	-34 26	12784	1.95	Ao	.139	+ .017	7	28	- .033
823	ζ Scut	18 18.2	- 8 59	- 4712	4.83	G5	.064	+ .018	8	27	+ .049
824	BS 6936	18 24.5	-33 3	13281	5.44	A3	.052	+ .019	6	22	+ .026
825	PGC 4684	18 25.5	-18 58	4986	6.98	Ko	.240	+ .090	5	22	- .133
826	BS 6991	18 32.4	-43 16	12699	5.36	Mb	.074	- .002	4	15	- .030
827	BS 7012	18 35.6	-64 58	3948	4.90	A2	.144	+ .030	10	34	+ .028
828	12 Aqil	18 56.3	- 5 53	4840	4.15	Ko	.047	+ .006	5	18	- .032
829	Cin 2487	18 58.0	-20 35	5385	9.4	Go	.71	+ .015	7	29	- .214
830	BS 7221	18 59.3	-68 35	3185	5.30	Ko	.152	+ .026	6	20	+ .152
831	55 Sgtr	19 36.8	-16 22	5413	5.10	Fo	.065	+ .034	5	15	+ .065
832	ε Pavo	19 49.0	-73 10	2086	4.10	Ao	.148	+ .012	6	19	+ .061
833	59 Sgtr	19 50.8	-27 26	14399	4.62	K2	.020	+ .009	8	27	+ .018
834	BS 7625	19 53.3	-59 39	7564	5.12	Mb	.042	.000	7	23	+ .015
835	BS 7659	19 58.0	-32 20	15682	5.05	Ko	.037	+ .003	6	23	+ .027
836	Cin 2637	20 7.8	-15 44	5584	8.6	Go	.429	+ .032	8	31	- .330
837	υ Capr	20 34.4	-18 29	5738	5.33	Ma	.034	+ .014	10	33	- .094
838	ψ Capr	20 40.2	-25 38	15018	4.26	F8	.169	+ .093	8	29	- .056
839	3 Aqar	20 42.5	- 5 24	5378	4.60	Ma	.040	- .009	6	20	- .014
840	α Octn	20 52.6	-77 24	1474	5.24	F2	.364	+ .028	9	29	+ .002
841	BS 8061	20 58.9	-73 34	2192	5.83	Go	.526	+ .056	9	30	+ .394
842	δ Equl	21 9.6	+ 9 36	4746	4.61	F5	.308	+ .064	6	21	+ .033
843	29 Capr	21 10.2	-15 35	5935	5.50	Ma	.021	- .005	5	17	+ .016
844	BS 8196	21 19.8	-69 56	- 2850	5.50	Mb	.105	+ .018	5	18	+ .057
845	ν Octn	21 30.4	-77 50	1510	3.74	Ko	.236	+ .068	11	34	+ .026
846	γ Capr	21 34.6	-17 7	6340	3.80	Fop	.192	+ .033	7	22	+ .175
847	θ Pegs	22 5.2	+ 5 42	4961	3.70	A2	.280	+ .043	9	27	+ .270
848	κ Aqar	22 32.6	- 4 45	5716	5.33	Ko	.139	+ .013	7	21	- .070
849	BS 8623	22 34.8	-31 10	18920	5.98	K2	.231	+ .009	8	23	- .094
850	θ Pisc	23 22.9	+ 5 50	5173	4.45	G5	.136	+ .010	8	24	- .156
851	BS 8931	23 26.4	- 4 38	5896	6.50	F8	.250	+ .041	6	20	+ .133

No.	Star 1.			Star 2.			Star 3.			Star 4.			Mean Magn (Ph)	Zero Epoch	
	X	Y	D	X	Y	D	X	Y	D	X	Y	D			
	mm	mm		mm	mm		mm	mm		mm	mm				mm
804	- 76	- 26	.408	+ 40	+ 40	.362	+ 72	- 17	.230				11.7	5200	+ .0700
805	- 40	- 14	.198	- 28	+ 33	.316	+ 24	- 16	.189	+ 41	- 16	.297	11.2	6000	- 500
806	- 66	+ 13	.493	+ 59	- 42	.283	+ 70	+ 24	.224				10.7	5600	- 500
807	- 53	+ 28	.270	- 47	- 13	.194	+ 43	+ 19	.327	+ 44	- 54	.209	12.0	6200	+ 800
808	- 64	+ 40	.204	- 36	- 16	.263	+ 38	- 27	.304	+ 47	+ 19	.229	10.7	6200	- 600
809	- 78	+ 3	.196	- 62	+ 17	.271	+ 46	- 56	.225	+ 70	+ 24	.308	10.6	6200	- 200
810	- 57	- 16	.218	- 44	+ 29	.183	+ 31	+ 31	.273	+ 37	- 31	.326	11.7	6200	- 300
811	- 39	+ 29	.199	- 23	- 5	.396	+ 27	- 30	.274	+ 72	+ 36	.131	11.0	6200	- 300
812	- 64	+ 30	.280	- 37	- 48	.254	+ 58	+ 8	.466				10.3	6300	- 300
813	- 79	- 34	.273	- 18	+ 41	.287	+ 43	- 37	.215	+ 78	+ 25	.225	11.0	5300	- 400
814	- 51	+ 63	.263	+ 2	- 34	.310	+ 4	- 33	.226	+ 58	+ 8	.201	10.7	6300	- 700
815	- 59	+ 27	.334	- 4	- 27	.163	+ 28	- 58	.162	+ 46	+ 14	.341	10.2	6400	- 500
816	- 86	+ 6	.319	+ 21	- 52	.187	+ 45	+ 50	.311	+ 52	- 41	.183	10.4	6000	- 500
817	- 23	- 66	.327	- 9	+ 60	.327	+ 26	+ 34	.173	+ 33	- 22	.173	11.2	6400	- 600
818	- 64	- 51	.183	- 62	- 30	.223	+ 34	+ 53	.352	+ 56	- 11	.242	10.7	6400	0
819	- 37	- 47	.349	- 5	+ 69	.326	+ 44	+ 4	.161	+ 44	- 41	.164	11.7	6100	- 400
820	- 35	+ 19	.212	- 19	- 16	.369	+ 18	- 8	.267	+ 62	+ 26	.152	11.7	6800	- 600
821	- 28	+ 41	.205	- 20	0	.305	+ 3	- 43	.298	+ 56	+ 23	.192	10.8	6200	- 300
822	- 33	+ 21	.331	- 10	- 52	.268	+ 18	+ 60	.223	+ 53	- 37	.178	9.9	6600	- 500
823	- 65	+ 18	.200	- 5	- 42	.274	+ 12	- 20	.310	+ 49	+ 66	.216	11.6	5900	- 600
824	- 27	- 11	.354	- 13	+ 53	.072	+ 14	- 12	.473	+ 38	+ 60	.101	11.1	6100	- 200
825	- 79	+ 13	.225	0	- 28	.274	+ 21	- 16	.279	+ 54	+ 43	.222	11.2	6600	- 600
826	- 57	+ 54	.229	- 36	- 57	.245	+ 29	- 28	.277	+ 56	+ 37	.249	10.6	5900	- 200
827	- 27	+ 58	.352	- 8	- 46	.466	+ 73	+ 3	.182				10.7	5100	- 600
828	- 44	- 59	.223	- 23	+ 50	.278	+ 18	- 14	.223	+ 44	+ 8	.276	10.4	5800	- 200
829	- 32	- 20	.259	- 28	+ 29	.162	+ 15	- 10	.364	+ 35	+ 17	.215	11.0	6900	- 400
830	- 41	- 57	.228	- 34	+ 44	.190	+ 21	- 12	.308	+ 35	+ 30	.274	11.7	5900	- 300
831	- 52	+ 65	.271	- 3	- 39	.261	+ 17	- 61	.232	+ 47	+ 27	.236	9.9	5000	- 200
832	- 72	+ 35	.222	- 36	- 48	.204	+ 35	+ 22	.299	+ 46	- 17	.275	11.6	5000	- 400
833	- 78	+ 12	.266	+ 3	- 30	.258	+ 29	- 6	.234	+ 53	+ 24	.242	10.7	5800	- 400
834	- 31	+ 56	.321	- 26	- 15	.273	+ 24	- 44	.189	+ 58	- 26	.217	10.9	6100	- 200
835	- 54	+ 63	.224	- 43	- 12	.196	- 12	- 22	.270	+ 76	- 19	.310	11.6	5800	- 500
836	- 38	- 47	.339	- 33	+ 44	.144	- 29	+ 31	.152	+ 60	+ 14	.365	10.7	6800	*
837	- 72	+ 17	.058	- 61	+ 53	.414	+ 7	- 60	.067	+ 63	- 41	.461	10.6	5000	- 500
838	- 82	+ 21	.172	- 53	- 61	.195	+ 20	+ 72	.290	+ 54	- 37	.343	10.8	5000	- 600
839	- 45	+ 19	.254	- 5	- 17	.331	- 2	- 20	.241	+ 79	+ 33	.174	10.9	5400	- 400
840	- 35	- 34	.290	- 31	+ 50	.400	+ 66	- 43	.129	+ 77	- 27	.181	11.1	5100	- 400
841	- 80	- 20	.263	+ 2	- 31	.207	+ 18	+ 59	.299	+ 66	- 26	.231	10.6	6100	- 400
842	- 66	+ 28	.328	- 26	- 64	.120	+ 38	- 5	.269	+ 51	0	.283	11.4	6100	- 600
843	- 32	+ 35	.238	- 14	- 18	.469	+ 31	- 26	.196	+ 83	+ 55	.097	11.1	5000	- 200
844	- 54	- 40	.254	- 12	+ 48	.309	+ 31	- 7	.196	+ 47	- 13	.241	11.2	5800	- 400
845	- 89	+ 7	.309	+ 13	- 25	.389	+ 74	+ 25	.302				11.9	5200	- 400
846	- 49	- 9	.273	- 34	+ 16	.255	+ 31	- 39	.245	+ 63	+ 35	.227	11.6	5100	- 500
847	- 47	+ 70	.146	- 36	- 38	.412	+ 46	- 4	.321	+ 55	+ 57	.121	11.8	5200	- 600
848	- 34	+ 5	.193	- 28	+ 44	.413	+ 14	- 38	.144	+ 66	- 55	.250	11.3	5200	+ 700
849	- 66	+ 25	.311	- 12	- 32	.281	+ 35	- 45	.189	+ 79	+ 44	.219	11.0	5500	- 900
850	- 92	+ 58	.201	- 12	+ 68	.137	+ 14	- 54	.388	+ 53	- 1	.274	11.2	5700	- 400
851	- 57	+ 46	.169	- 28	- 6	.226	+ 8	- 64	.347	+ 51	+ 61	.258	11.0	6000	- 500

No.	p	p.t	p.t.t	p.P	p.P.t	p.P.P	pπ	p.m	p.t.m	p.P.m	c	μ	π
								mm	mm	mm	mm	mm	mm
804	14.7	+ 3.80	219.9	+ 2.32	- 1.71	10.12	9.73	+ .0126	- .0571	+ .0079	+ .00084	- .00027	+ .00054
805	14.7	+ 14.17	211.4	+ 1.70	+ 4.53	10.45	10.21	+ 6	- 355	- 108	+ 32	- 17	- 102
806	14.4	+ 4.70	354.8	+ 1.94	- 2.13	10.07	9.79	- 332	+ 2514	+ 52	- 271	+ 75	+ 120
807	16.1	+ 7.95	404.8	+ 1.31	+ 0.91	11.05	10.94	+ 6	+ 1.0203	+ 152	- 132	+ 254	+ 133
808	17.3	+ 12.16	424.0	+ 1.31	+ 9.02	12.47	12.21	+ 996	+ 1.1648	+ 539	+ 377	+ 259	+ 206
809	15.5	+ 14.22	365.3	+ 1.11	+ 8.89	12.10	11.84	- 314	- 7129	+ 109	- 37	- 200	+ 241
810	16.5	+ 10.04	458.3	- 2.39	- 4.09	11.72	11.35	+ 6	- 1853	+ 269	+ 61	- 40	+ 228
811	19.2	+ 5.52	352.8	- 1.39	- 0.39	12.61	12.51	- 236	- 848	+ 78	- 113	- 22	+ 49
812	16.9	+ 6.79	339.9	- 1.31	- 1.61	12.31	12.21	- 494	- 909	+ 115	- 279	- 21	+ 61
813	14.9	+ 12.42	104.6	- 3.58	- 1.39	10.40	9.51	+ 998	+ 2251	- 44	+ 591	+ 147	+ 181
814	16.0	- 0.55	559.3	- 3.40	- 6.44	11.68	10.88	- 246	+ 1910	+ 74	- 144	+ 34	+ 40
815	17.4	+ 4.47	765.7	- 2.48	+ 8.13	12.67	12.22	+ 885	+ 2426	- 71	+ 505	+ 28	+ 25
816	17.0	+ 21.66	1396.9	- 3.21	+ 13.94	12.09	11.24	+ 1045	+ 4764	- 86	+ 595	+ 24	+ 59
817	17.4	+ 19.42	713.0	- 0.43	+ 6.97	12.72	12.63	- 154	- 1.9422	- 46	+ 226	- 280	+ 126
818	15.9	- 4.67	185.9	- 0.78	+ 4.67	11.98	11.84	- 1507	- 692	+ 41	- 966	- 61	- 5
819	15.1	+ 4.95	191.4	+ 1.66	+ 3.24	12.46	12.24	+ 622	+ 775	+ 44	+ 405	+ 30	- 26
820	16.7	+ 4.93	202.9	- 0.01	+ 2.17	13.64	13.62	- 239	+ 2371	+ 155	- 178	+ 120	+ 95
821	16.7	+ 2.78	241.2	+ 0.90	- 2.30	14.22	14.15	+ 1262	+ 746	+ 318	+ 742	+ 24	+ 180
822	19.1	- 6.78	276.2	- 0.56	- 0.44	16.56	16.54	+ 637	- 1558	+ 129	+ 319	- 48	+ 88
823	12.9	+ 3.80	99.5	- 1.25	+ 2.33	11.12	10.93	- 19	+ 723	+ 124	- 26	+ 72	+ 93
824	15.8	- 0.86	208.6	- 0.26	- 0.46	13.31	13.31	+ 859	+ 731	+ 116	+ 547	+ 38	+ 99
825	19.1	+ 3.54	260.9	- 0.94	- 2.16	16.60	16.53	- 25	- 5148	+ 829	+ 47	- 194	+ 477
826	14.4	+ 4.31	79.0	- 0.78	- 0.68	12.77	12.73	+ 373	- 228	- 30	+ 272	- 44	- 9
827	14.2	+ 10.42	99.1	- 3.14	- 3.55	12.33	11.62	+ 1042	+ 1114	- 50	+ 739	+ 40	+ 159
828	15.2	+ 13.18	178.5	+ 0.03	+ 2.04	13.14	13.12	+ 1054	+ 144	+ 35	+ 734	- 46	+ 32
829	19.5	- 6.34	188.0	+ 1.26	- 8.35	15.84	15.42	- 931	- 5560	+ 316	- 584	- 312	+ 82
830	12.6	- 1.84	72.2	- 1.11	- 2.99	10.60	10.36	+ 374	+ 1502	+ 42	+ 341	+ 223	+ 138
831	14.8	+ 2.70	100.0	+ 1.75	+ 10.43	12.63	11.39	- 252	+ 1077	+ 287	- 209	+ 95	+ 178
832	13.2	+ 3.20	80.3	+ 0.25	+ 4.14	10.55	10.34	+ 314	+ 808	+ 111	+ 215	+ 89	+ 66
833	15.2	+ 13.55	281.9	+ 2.22	+ 9.80	12.30	11.75	- 370	+ 423	+ 24	- 274	+ 27	+ 48
834	14.3	+ 6.23	407.2	+ 1.65	+ 7.61	11.72	11.41	+ 506	+ 1085	+ 76	+ 345	+ 21	+ 3
835	16.3	- 0.09	265.9	+ 3.07	+ 4.55	13.32	12.66	+ 813	+ 1068	+ 194	+ 495	+ 40	+ 18
836	19.4	+ 0.12	255.3	+ 0.83	- 0.62	16.77	16.73	+ 507	- 747	- 195	+ 267	- 480	+ 169
837	15.3	- 2.16	102.6	+ 2.08	+ 3.29	12.61	12.20	+ 122	- 1383	+ 62	+ 50	- 136	+ 76
838	17.9	- 2.30	119.8	+ 3.06	+ 0.52	14.90	14.37	- 13	- 931	+ 704	- 103	- 82	+ 496
839	14.8	+ 1.25	186.8	+ 0.36	- 4.26	11.58	11.47	+ 187	- 348	- 42	+ 130	- 21	- 48
840	13.1	+ 2.81	184.2	+ 0.05	- 2.09	10.21	10.19	+ 927	+ 220	+ 157	+ 706	+ 3	+ 150
841	15.6	+ 12.56	205.1	- 1.42	- 3.47	12.26	12.10	+ 2449	+ 1.3093	+ 7	+ 1135	+ 574	+ 300
842	15.3	+ 5.95	224.2	+ 0.23	- 5.54	11.89	11.75	- 156	+ 804	+ 375	- 125	+ 48	+ 340
843	14.2	+ 2.56	152.5	+ 3.92	+ 8.54	11.68	10.20	+ 80	+ 352	+ 14	+ 59	+ 23	- 25
844	15.2	+ 4.35	113.7	+ 0.97	+ 2.75	11.92	11.81	+ 638	+ 1146	+ 175	+ 390	+ 83	+ 96
845	13.1	- 2.17	201.5	+ 2.32	- 2.33	9.27	8.84	+ 147	+ 674	+ 337	+ 56	+ 38	+ 360
846	15.4	+ 3.23	210.4	+ 2.98	- 10.32	12.46	11.31	+ 1102	+ 5370	+ 145	+ 628	+ 254	+ 177
847	14.6	+ 4.37	220.6	+ 3.14	- 0.27	10.48	9.79	+ 115	+ 8620	+ 204	- 89	+ 393	+ 231
848	15.4	- 1.50	221.9	+ 2.63	- 1.38	11.02	10.56	+ 466	- 2302	+ 166	+ 281	- 101	+ 71
849	14.4	+ 2.49	139.0	- 0.26	- 7.05	9.55	9.20	- 464	- 2010	+ 150	- 298	- 137	+ 48
850	14.5	+ 7.45	630.1	+ 1.19	- 6.06	10.22	10.05	- 611	- 1.4603	+ 153	- 308	- 228	+ 51
851	14.5	+ 6.91	231.8	+ 0.19	+ 1.21	10.49	10.48	- 114	+ 4388	+ 251	- 174	+ 193	+ 219

(804) 33 Pisc 0h 0m.2 -6° 16'

J.D.	h	P	m	p	v
	min				
4705	0	+ .90	- 41	0.4	-".126
4710	+ 7	+ .88	+ 18	0.8	- 17
4711	+ 6	+ .87	+ 32	0.7	+ 11
4724	+ 9	+ .77	+ 38	0.5	+ 23
4726	+ 4	+ .76	+ 38	0.7	+ 24
4829	0	- .66	- 9	0.8	- 45
4848	+ 3	- .83	+ 1	0.8	- 23
5059	+ 5	+ .93	+ 67	0.7	+ 94
5071	+ 8	+ .90	+ 16	0.8	- 2
5207	+ 2	- .77	+ 11	0.8	+ 13
5213	+ 5	- .83	+ 8	0.8	+ 9
5215	+ 4	- .84	+ 39	0.7	+ 66
5452	+ 4	+ .80	- 1	0.7	- 13
5460	+ 6	+ .73	+ 16	0.8	+ 19
5567	+ 2	- .73	- 6	0.7	0
5570	+ 9	- .75	+ 8	0.8	+ 26
5576	+ 3	- .81	- 22	0.4	- 32
5579	0	- .83	- 30	0.5	- 43
5789	0	+ .93	- 9	0.8	- 11
5790	0	+ .93	- 3	0.7	- 2
5794	- 3	+ .92	- 21	0.8	- 34

(805) η Scul 0h 23m.0 -33° 34'

J.D.	h	P	m	p	v
	min				
5084	0	+ .86	- 16	0.4	-".047
5439	+ 2	+ .91	+ 16	1.0	+ 23
5568	+ 4	- .68	+ 15	0.8	- 4
5805	0	+ .90	- 18	0.5	- 28
5806	- 8	+ .90	- 37	0.5	- 64
5941	+ 9	- .76	+ 29	0.8	+ 30
5943	+ 10	- .77	+ 27	0.8	+ 28
5944	+ 4	- .78	+ 4	0.8	- 15
5951	+ 7	- .83	+ 31	0.5	+ 36
6155	+ 3	+ .94	0	0.8	+ 15
6158	+ 4	+ .93	- 3	0.5	+ 13
6166	- 6	+ .92	+ 10	0.8	+ 36
6302	0	- .71	+ 24	0.7	+ 36
6305	+ 3	- .75	- 2	1.0	- 15
6308	0	- .77	- 23	0.8	- 55
6312	+ 5	- .80	- 3	0.8	- 17
6522	+ 6	+ .94	- 20	0.7	- 9
6523	+ 3	+ .93	- 2	1.0	+ 24
6540	+ 2	+ .89	- 15	1.0	0
6544	+ 4	+ .87	- 43	0.5	- 53

(806) 48 Ceti 1h 24m.8 -22° 8'

J.D.	h	P	m	p	v
	min				
4734	0	+ .88	-126	0.4	-".085
4735	+ 5	+ .87	- 63	0.5	+ 36
4741	+ 3	+ .84	- 65	0.8	+ 32
4746	0	+ .79	- 55	0.7	+ 53
5215	0	- .64	- 85	0.8	- 39
5230	+ 5	- .79	- 84	0.8	- 38
5460	+ 5	+ .91	- 9	0.7	+ 34
5586	+ 5	- .71	- 25	0.7	+ 23
5592	+ 5	- .76	- 51	0.8	- 26
5600	+ 2	- .82	- 37	0.5	0
5805	- 4	+ .94	- 16	0.6	- 28
5806	- 4	+ .94	- 42	0.8	- 77
5951	0	- .70	- 20	1.0	- 19
5956	0	- .75	+ 7	0.8	+ 30
5961	+ 6	- .79	+ 46	0.7	+ 103
5966	+ 6	- .83	- 23	0.6	- 26
6176	0	+ .94	+ 25	0.7	- 4
6179	0	+ .94	+ 34	1.0	+ 11
6181	- 8	+ .93	+ 57	0.7	+ 55
6183	- 9	+ .93	+ 10	0.8	- 34

(807) ζ Forn 2h 55m.2 -25° 41'

J.D.	h	P	m	p	v
	min				
5500	+ 2	+ .82	-175	0.6	+".011
5507	0	+ .75	-191	0.5	- 23
5511	+ 9	+ .71	-138	0.8	+ 77
5601	+ 2	- .63	-156	0.8	+ 32
5621	+ 8	- .84	-144	0.8	+ 53
5836	- 2	+ .97	-106	0.7	- 26
5850	+ 2	+ .93	-112	0.8	- 41
5972	+ 2	- .70	- 81	0.8	- 2
5974	0	- .72	-110	0.8	- 56
6213	+ 5	+ .93	- 38	0.7	- 75
6217	+ 6	+ .92	- 7	0.7	- 17
6333	0	- .65	- 16	1.0	- 53
6344	0	- .78	+ 20	0.8	+ 11
6565	+ 2	+ .97	+ 93	0.8	0
6708	0	- .75	+142	0.7	+ 68
6709	+ 4	- .77	+ 87	0.8	- 34
6715	+ 3	- .81	+104	0.7	- 6
6716	+ 8	- .83	+102	0.8	- 9
6929	0	+ .97	+199	0.7	+ 26
6946	- 2	+ .93	+186	1.0	- 4
6949	- 7	+ .91	+229	0.8	+ 70

(808) BS 1275 4h 1m.5 -27° 56'

J.D.	h	P	m	p	v
	min				
5500	0	+ .95	-151	0.6	-".051
5509	- 3	+ .90	- 50	0.3	+ 137
5523	+ 5	+ .77	-121	0.8	+ 4
5524	- 2	+ .76	-105	0.4	+ 32
5624	+ 5	- .73	-136	1.0	- 17
5632	+ 2	- .82	-102	0.7	+ 47
5853	- 5	+ .99	- 36	0.7	- 8
5990	+ 7	- .74	- 34	0.8	- 4
5996	+ 2	- .80	- 33	0.8	- 4
6005	+ 6	- .88	- 58	0.8	- 49
6223	+ 2	+ .98	+ 43	0.7	- 39
6239	0	+ .90	+ 67	0.8	0
6344	+ 3	- .61	+ 60	1.0	- 4
6356	0	- .74	+ 66	0.9	+ 4
6587	+ 4	+ .98	+188	0.8	+ 56
6599	0	+ .93	+145	1.0	- 30
6715	+ 2	- .67	+165	0.7	+ 13
6729	+ 9	- .82	+167	1.0	+ 15
6730	+ 5	- .83	+158	1.0	0
6949	- 3	+ .99	+241	0.8	- 23
6964	0	+ .93	+280	0.7	+ 45
6965	+ 10	+ .93	+244	1.0	- 21

(809) BS 1453 4h 29m.6 -29° 58'

J.D.	h	P	m	p	v
	min				
5500	+12	+ .98	+180	0.3	+".036
5518	+ 2	+ .89	+148	0.7	- 9
5523	+ 5	+ .85	+160	0.8	+ 17
5524	0	+ .84	+160	0.6	+ 17
5649	+ 9	- .90	+ 75	0.7	- 19
6005	+ 2	- .83	+ 9	1.0	- 11
6007	0	- .84	+ 49	0.8	+ 64
6013	+ 2	- .90	+ 40	0.7	+ 55
6229	- 2	+ .99	- 19	0.5	- 64
6237	0	+ .96	- 8	0.7	- 38
6363	+ 4	- .75	- 58	1.0	- 6
6365	0	- .78	- 80	1.0	- 45
6371	0	- .84	- 95	1.0	- 71
6596	- 4	+ .98	- 70	1.0	- 21
6615	- 3	+ .88	- 26	0.8	+ 75
6724	0	- .70	-116	0.6	+ 17
6743	+ 7	- .89	-106	0.8	+ 53
6960	0	+ .98	-145	0.7	- 24
6963	0	+ .97	-126	0.8	+ 15
6965	- 4	+ .96	-127	1.0	+ 11

(810) ν^2 Colm 5h 33.8m −28° 45′

J.D.	h	P	m	p	v
	min				″
5525	+13	+.95	+37	0.3	−.034
5546	+6	+.77	+42	0.5	−15
5549	−7	+.74	+44	0.6	−11
5550	+2	+.72	+45	0.6	−6
5551	−7	+.70	+61	0.8	+24
5649	+9	−.79	+20	0.8	+19
5654	+8	−.84	+43	0.8	+64
5657	+3	−.86	−3	1.0	−21
6015	+5	−.80	−9	0.8	−8
6262	+4	+.91	+8	0.8	−34
6270	+7	+.83	+15	0.7	−13
6386	+4	−.85	−55	1.0	−66
6393	+8	−.91	−7	1.0	+30
6396	0	−.93	−30	0.8	−13
6631	+2	+.87	+20	0.7	+21
6743	+10	−.77	−34	1.0	0
6761	+2	−.92	−45	1.0	−17
6763	+6	−.94	+1	0.4	+71
6764	+3	−.94	−38	0.8	−2
6995	+4	+.89	+6	0.8	+23
7007	+10	+.77	−6	0.6	+4
7008	0	+.76	−7	0.7	+4

(811) BS 2094 5h 52.6m −52° 40′

J.D.	h	P	m	p	v
	min				″
5551	−6	+.76	−12	0.7	−.036
5553	−2	+.73	+14	0.8	+15
5651	+8	−.76	+6	0.8	+17
5658	0	−.84	−9	0.7	−11
5903	+3	+.88	−13	0.8	−24
5915	0	+.77	−1	0.8	0
5921	0	+.70	+42	0.5	+85
5922	−10	+.69	+11	1.0	+24
6015	0	−.75	−5	0.8	+11
6029	+4	−.88	−22	0.8	−21
6031	0	−.90	+19	0.7	+58
6037	+3	−.94	−21	0.8	−17
6277	+4	+.80	−48	0.7	−73
6292	+4	+.63	−16	1.0	−9
6379	+7	−.74	−29	1.0	−15
6386	0	−.82	−10	1.0	+21
6388	+4	−.83	−10	0.7	+23
6393	0	−.87	−30	1.0	−15
6630	0	+.91	−22	1.0	−9
6761	+2	−.89	−24	1.0	+8
6763	+8	−.91	−50	0.7	−43
6995	+2	+.91	−5	0.6	+39
7008	+2	+.79	+8	0.4	+62
7020	+2	+.66	−29	0.9	−6

(812) BS 2523 6h 44.5m −51° 9′

J.D.	h	P	m	p	v
	min				″
5553	+2	+.86	−31	0.7	−.045
5570	−2	+.67	+22	0.6	+58
5663	0	−.76	−25	0.7	−9
5691	+7	−.97	−28	0.8	−13
5910	0	+.93	−19	0.8	−9
5923	+4	+.81	−6	0.8	+17
6057	+2	−.98	−30	0.6	−2
6060	+11	−.99	−14	0.7	+28
6273	−4	+.93	−12	0.8	+17
6292	0	+.77	−27	1.0	−8
6398	+2	−.81	−36	1.0	−4
6408	+6	−.90	−9	1.2	+51
6417	−5	−.96	−40	1.0	−8
6662	+4	+.71	−70	0.7	−71
6664	+10	+.69	−42	1.0	−19
6769	+4	−.86	−59	0.7	−30
6770	+7	−.87	−41	1.0	+4
6774	+6	−.90	−63	1.0	−36
7011	0	+.88	−31	0.8	+13
7028	+3	+.71	−12	1.0	+51

(813) BS 2748 7h 10.5m −44° 29′

J.D.	h	P	m	p	v
	min				″
4945	+2	−.83	−37	0.5	−.053
4949	−4	−.86	−16	0.5	−13
4953	0	−.90	−11	0.8	−6
4963	−2	−.96	−65	0.4	−107
5193	+5	+.86	+122	0.7	+118
5204	+2	+.74	+64	0.6	+11
5205	+3	+.73	+58	0.8	0
5206	+4	+.72	+52	0.6	−11
5307	+9	−.80	+57	1.0	+21
5312	+3	−.85	+33	0.8	−26
5330	+4	−.96	+65	0.8	+36
5332	0	−.97	+87	0.7	+77
5568	+2	+.77	+91	0.5	−41
5570	0	+.73	+80	0.5	−60
5571	+7	+.73	+120	1.0	+15
5572	+4	+.72	+69	0.6	−81
5581	−10	+.60	+112	0.7	0
5678	−2	−.85	+87	1.0	−24
5685	+3	−.91	+116	1.0	+30
5690	+2	−.94	+81	1.0	−36
5696	0	−.97	+138	0.4	+71

(814) BS 3280 8h 17.2m −65° 18′

J.D.	h	P	m	p	v
	min				″
5356	+7	−.98	−42	0.6	+.017
5582	0	+.77	−58	0.8	−39
5583	0	+.76	−56	0.7	−38
5593	+3	+.63	−15	0.7	+38
5704	0	−.92	−31	0.8	+17
5706	0	−.93	−39	0.8	−2
5708	0	−.94	−25	0.8	+24
5947	+4	+.77	−37	0.8	−24
5956	+4	+.66	−30	0.6	−13
6068	0	−.91	−19	0.7	+13
6078	−8	−.96	−31	0.7	−8
6325	−2	+.62	+57	0.4	+126
6453	0	−.98	−17	0.8	−6
6673	0	+.80	+13	1.0	+21
6689	−4	+.63	−9	0.7	−19
6802	+2	−.93	−22	1.0	−39
6803	0	−.94	−18	1.0	−30
7035	+2	+.84	+19	0.6	+9
7051	−7	+.67	+15	0.7	+2
7168	0	−.94	+18	1.0	+11
7170	0	−.94	+23	0.8	+21

(815) 12 Hyda 8h 41.7m −13° 11′

J.D.	h	P	m	p	v
	min				″
4998	+3	−.97	+35	0.6	+.049
4999	0	−.97	+43	0.5	+66
5000	+5	−.97	+3	0.7	−9
5586	+5	+.78	+28	0.6	−2
5593	+2	+.70	+6	0.7	−45
5950	+4	+.79	+25	0.8	−26
6088	+2	−.96	+44	0.8	+8
6093	0	−.97	−1	0.5	−75
6312	0	+.82	+33	0.8	−32
6332	+4	+.60	+58	0.8	+15
6452	+3	−.96	+47	0.8	−4
6453	+6	−.96	+52	1.0	+2
6683	+3	+.77	+74	0.7	+26
6686	+3	+.74	+52	0.7	−17
6692	0	+.66	+61	0.8	+2
6805	+2	−.91	+61	1.0	0
6812	0	−.94	+37	0.7	−43
7041	0	+.83	+103	0.6	+60
7051	0	+.74	+85	1.0	+28
7054	0	+.70	+69	0.8	−6
7168	−6	−.89	+68	1.0	−4
7174	−4	−.92	+51	0.8	−36
7177	+6	−.94	+97	0.7	+49

(816) 44 Hyda 10h 29m.2 -23° 14'

J.D.	h	P	m	p	v
	min				
4639	0	- .87	+ 15	0.6	-".011
4650	+ 8	- .92	+ 10	1.0	- 23
4655	0	- .93	- 8	0.8	- 55
4665	+ 4	- .94	+ 41	1.0	+ 36
5611	- 5	+ .77	+ 78	0.7	+ 43
5615	0	+ .73	+ 67	0.8	+ 23
5623	0	+ .64	+107	0.6	+ 100
5972	+ 2	+ .80	+ 49	0.7	- 28
5984	+ 2	+ .69	+ 48	1.0	- 28
6106	- 7	- .90	+ 58	0.8	0
6118	- 7	- .94	+ 82	0.7	+ 49
6337	+ 3	+ .81	+ 45	1.0	- 53
6482	- 4	- .93	+ 66	1.0	0
6711	+ 2	+ .73	+ 76	1.0	- 9
6847	- 4	- .93	+ 50	0.8	- 47
7076	+ 2	+ .73	+ 88	1.0	- 4
7079	+ 4	+ .70	+ 98	0.7	+ 17
7202	+ 5	- .90	+ 93	1.0	+ 17
7203	0	- .90	+ 77	1.0	- 11
7217	+ 2	- .94	+ 99	0.8	+ 28

(817) PGC 3435 13h 9m.7 -10° 50'

J.D.	h	P	m	p	v
	min				
5067	- 7	- .94	+383	0.6	".000
5070	0	- .94	+370	0.7	- 24
5658	0	+ .73	+198	0.8	- 79
6012	+ 3	+ .82	+155	0.7	+ 26
6014	- 3	+ .80	+146	0.7	+ 9
6019	- 2	+ .76	+136	0.8	- 6
6155	+10	- .91	+124	0.8	+ 81
6156	- 4	- .91	+117	0.8	+ 71
6161	- 8	- .93	+ 95	0.5	+ 32
6166	- 5	- .94	+ 63	0.7	- 26
6384	0	+ .76	+ 38	0.7	+ 2
6740	- 2	+ .84	- 76	1.0	- 26
6746	+ 2	+ .80	- 94	0.8	- 56
6753	- 3	+ .73	- 56	1.0	+ 21
6883	+10	- .90	-133	0.6	- 17
6893	+ 4	- .93	-135	1.0	- 15
7104	- 5	+ .85	-154	1.0	+ 17
7109	0	+ .81	-145	0.6	+ 41
7110	- 3	+ .80	-141	1.0	+ 47
7248	- 9	- .90	-260	1.0	- 66
7249	- 5	- .90	-224	0.6	+ 6
7251	- 2	- .91	-235	1.0	- 17

(818) 6 Serp 15h 15m.9 +1° 4'

J.D.	h	P	m	p	v
	min				
5697	- 2	+ .69	- 28	0.7	+".047
5816	+ 6	- .91	- 57	1.0	+ 8
6046	0	+ .85	-100	0.7	- 47
6050	+ 2	+ .81	- 98	0.7	- 43
6060	+ 7	+ .71	- 94	1.0	- 34
6189	+ 3	- .95	- 93	0.7	- 17
6192	+ 5	- .96	- 62	0.8	+ 39
6195	+ 7	- .97	- 88	1.0	- 8
6196	+ 3	- .97	-101	0.7	- 32
6399	+ 3	+ .91	- 29	0.3	+ 126
6415	+10	+ .82	- 85	0.8	+ 24
6416	+ 3	+ .81	- 99	0.7	- 2
6552	+11	- .95	- 66	0.8	+ 73
6555	+ 6	- .95	-124	0.4	- 32
6559	+10	- .97	-122	0.8	- 30
6561	0	- .97	- 89	0.7	+ 34
6768	+ 8	+ .90	-132	0.8	- 23
6781	+ 2	+ .81	-120	1.0	- 2
6789	+ 8	+ .73	-113	0.8	+ 15
6790	0	+ .72	-107	0.7	+ 24
6898	- 3	- .81	-154	0.8	- 49

(819) 43 Herc 16h 41m.0 +8° 46'

J.D.	h	P	m	p	v
	min				
5697	0	+ .90	+ 18	0.4	-".017
5700	0	+ .88	+ 16	0.8	- 19
5701	+ 3	+ .87	+ 63	0.7	+ 68
5702	- 3	+ .87	+ 42	0.8	+ 30
5704	0	+ .85	- 10	0.3	- 68
5833	+ 6	- .91	+ 52	0.8	+ 32
5834	- 3	- .91	+ 27	0.8	- 13
5843	+ 6	- .96	+ 5	0.5	- 56
5849	+ 6	- .99	+ 28	0.8	- 15
6060	- 3	+ .91	+ 35	0.6	- 4
6063	+ 4	+ .89	+ 30	0.8	- 15
6067	- 4	+ .87	+ 41	0.8	+ 8
6197	+ 6	- .90	+ 52	0.6	+ 11
6202	0	- .93	+ 9	0.5	- 68
6210	+ 2	- .97	+ 42	0.6	- 9
6213	+ 6	- .98	+ 79	0.5	+ 62
6416	- 2	+ .96	+ 19	1.0	- 55
6437	- 4	+ .83	+ 66	0.9	+ 34
6551	+ 5	- .80	+ 41	0.8	- 28
6572	0	- .96	+ 95	0.6	+ 70
6789	+ 3	+ .93	+ 54	1.0	- 9
6790	+ 3	+ .92	+ 74	0.5	+ 26

(820) Cin 2373 17h 46m.3 -65° 42'

J.D.	h	P	m	p	v
	min				
6226	- 3	- .97	- 76	0.6	+".036
6229	+ 6	- .99	- 86	1.0	+ 19
6441	+ 3	+ .93	- 43	0.8	+ 17
6460	0	+ .77	- 71	1.0	- 36
6462	+ 2	+ .74	- 44	1.0	+ 15
6567	+ 6	- .81	- 47	0.8	+ 13
6570	0	- .83	- 65	0.5	- 21
6583	0	- .93	- 98	0.4	- 86
6802	0	+ .96	- 20	1.0	- 21
6803	0	+ .95	+ 31	0.5	+ 75
6804	- 5	+ .92	- 53	0.8	- 83
6936	+ 4	- .84	+ 14	1.0	+ 45
6948	+ 6	- .93	- 12	0.8	- 6
6956	+ 6	- .97	- 21	1.0	- 24
7168	0	+ .95	+ 30	0.8	- 11
7170	0	+ .94	+ 51	0.7	+ 30
7171	+ 6	+ .94	+ 57	1.0	+ 39
7175	+ 3	+ .91	+ 37	0.8	+ 2
7306	+ 2	- .88	+ 54	0.8	+ 36
7309	+ 4	- .90	+ 29	1.0	- 9
7314	+ 4	- .93	- 10	0.4	- 85

(821) BS 6797 18h 4m.9 +3° 6'

J.D.	h	P	m	p	v
	min				
5721	+ 9	+ .89	+ 78	0.7	".000
5725	+ 6	+ .85	+ 86	0.7	+ 15
5726	+ 3	+ .85	+ 82	0.8	+ 8
5729	+ 5	+ .82	+ 87	1.0	+ 17
5850	+10	- .88	+ 43	0.8	- 15
5854	+ 8	- .91	+112	0.4	+ 117
5859	+10	- .95	+ 47	0.8	- 4
5872	+11	- .99	+ 31	0.4	- 34
6068	+ 3	+ .98	+ 70	0.8	- 36
6087	- 2	+ .88	+ 66	0.8	- 39
6088	- 8	+ .87	+ 75	0.7	- 23
6222	+ 3	- .93	+ 65	1.0	+ 13
6228	+ 9	- .96	+ 39	0.7	- 36
6236	+ 8	- .99	+ 61	0.8	+ 8
6439	0	+ .96	+ 79	0.5	- 34
6462	+ 3	+ .79	+118	0.7	+ 43
6587	0	- .93	+ 60	0.7	- 11
6597	+11	- .98	+ 67	1.0	+ 2
6601	+12	- .99	+ 60	1.0	- 11
6799	- 4	+ .98	+ 95	0.8	- 21
6802	+ 6	+ .98	+126	0.8	+ 36
6810	+ 4	+ .93	+116	0.8	+ 17

(822) ε Sgtr 18h17.5m -34°26'

J.D.	h	P	m	p	v
	min				
6077	0	+ .96	+ 58	1.0	-".013
6093	- 3	+ .86	+ 59	1.0	- 11
6094	-10	+ .85	+ 60	1.0	- 6
6095	- 4	+ .83	+ 68	0.8	+ 9
6232	+ 6	- .96	+ 73	0.7	+ 58
6235	+ 6	- .98	+ 49	1.0	+ 15
6237	0	- .99	+ 41	1.0	0
6238	+ 2	- .99	+ 43	1.0	+ 4
6454	+ 3	+ .89	+ 38	1.0	- 15
6461	- 3	+ .83	+ 71	0.6	+ 47
6587	0	- .92	+ 40	0.8	+ 28
6589	0	- .93	- 10	1.0	- 66
6596	- 2	- .96	- 7	0.8	- 58
6802	+ 5	+ .98	+ 30	1.0	- 2
6805	0	+ .98	+ 49	0.7	+ 34
6942	0	- .83	- 21	1.0	- 55
6949	+ 2	- .88	+ 39	0.7	+ 60
6960	+ 5	- .96	+ 32	0.7	+ 47
6963	+ 4	- .97	+ 7	1.0	+ 4
7170	0	+ .98	- 26	1.0	- 73
7171	+ 2	+ .97	+ 67	0.6	+ 102
7176	+ 3	+ .93	+ 17	0.7	+ 9

(823) ζ Scut 18h18.2m -8°59'

J.D.	h	P	m	p	v
	min				
5491	+ 7	- .91	-73	0.4	-".062
5500	0	- .96	-30	0.7	+ 19
5502	- 5	- .97	-42	0.8	- 4
5713	0	+ .96	- 3	0.8	+ 8
5725	0	+ .88	-44	0.5	- 68
5729	- 2	+ .85	+17	0.6	+ 43
5730	- 5	+ .84	- 1	1.0	+ 11
5859	+ 9	- .93	+14	0.7	+ 55
5868	+ 6	- .97	-15	0.8	- 2
5873	+ 6	- .99	-38	0.8	- 47
6083	- 2	+ .93	+ 2	1.0	- 32
6087	- 6	+ .91	+45	0.7	+ 51
6088	- 5	+ .90	+25	0.7	+ 11
6224	0	- .93	-15	0.7	- 49
6225	+ 8	- .93	-25	0.7	- 68
6235	+ 9	- .98	+52	0.5	+ 73
6237	+ 8	- .99	+52	0.8	+ 75
6459	0	+ .85	+30	0.7	- 30

(824) BS 6936 18h24.5m -33° 3'

J.D.	h	P	m	p	v
	min				
5494	+ 6	- .92	+ 29	0.6	+".011
5501	+ 4	- .96	+ 22	0.8	0
5721	+ 5	+ .92	+ 81	0.7	+ 60
5726	+ 2	+ .89	+ 53	0.7	+ 6
5728	- 4	+ .87	+ 78	0.8	+ 53
5731	-10	+ .84	+ 37	0.7	- 23
5854	+ 3	- .87	+ 21	0.8	- 30
5859	+ 8	- .92	+ 25	1.0	- 21
5875	+ 8	- .99	+ 22	0.8	- 28
6077	- 2	+ .97	+ 45	0.8	- 36
6083	- 2	+ .94	+ 22	0.5	- 77
6087	0	+ .91	+ 57	0.8	- 11
6236	+ 6	- .98	+ 45	0.8	- 9
6237	+ 7	- .98	+109	0.5	+ 111
6456	+ 3	+ .89	+ 77	1.0	0
6460	+ 4	+ .85	+ 71	1.0	- 11
6461	+ 3	+ .84	+ 84	1.0	+ 15
6589	+ 2	- .92	+ 76	1.0	+ 23
6594	+ 3	- .94	+ 52	0.7	- 24
6606	+ 9	- .99	+ 67	0.8	+ 8

(825) PGC 4684 18h25.5m -18°58'

J.D.	h	P	m	p	v
	min				
6078	+ 8	+ .97	+166	0.8	+".026
6085	0	+ .93	+184	0.7	+ 66
6087	+ 3	+ .91	+122	0.8	- 47
6094	-10	+ .86	+134	0.8	- 19
6225	+ 8	- .92	+ 41	0.8	+ 15
6228	+ 2	- .94	+ 12	1.0	- 38
6239	0	- .99	+ 35	0.8	+ 13
6462	0	+ .84	+ 81	1.0	+ 19
6463	- 4	+ .83	+ 70	0.8	- 4
6586	+ 5	- .89	- 22	0.6	+ 23
6593	+ 4	- .94	- 40	1.0	0
6599	0	- .96	- 42	1.0	- 2
6602	+ 8	- .98	- 47	1.0	- 9
6805	+ 5	+ .98	- 10	0.6	- 39
6810	+ 4	+ .96	- 3	1.0	- 24
6949	0	- .86	-121	1.0	- 32
6955	0	- .92	-108	0.8	0
6956	+ 3	- .93	-124	1.0	- 28
6963	+ 8	- .96	- 73	1.0	+ 71
7169	0	+ .98	- 34	0.7	+ 47
7170	0	+ .98	- 51	0.9	+ 15
7175	+ 2	+ .96	- 77	1.0	- 30

(826) BS 6991 18h32.4m -43°16'

J.D.	h	P	m	p	v
	min				
5486	+ 5	- .83	+40	0.3	-".013
5501	+ 2	- .95	+16	0.5	- 55
5503	0	- .96	+37	0.7	- 15
5718	+ 2	+ .95	+28	0.8	- 11
5719	+ 3	+ .94	+43	0.8	+ 17
5720	+ 3	+ .94	+71	0.6	+ 68
5731	+ 9	+ .85	+39	0.8	+ 11
5859	+10	- .90	+25	0.8	- 9
5868	+ 4	- .95	+30	0.8	+ 2
5875	+ 8	- .98	+32	0.8	+ 6
5878	+ 8	- .99	+52	0.8	+ 41
6077	0	+ .98	+ 9	0.7	- 17
6083	0	+ .95	+12	0.8	- 11
6087	+ 2	+ .93	+23	0.8	+ 9
6088	+ 2	+ .92	+ 7	0.8	- 21
6094	- 3	+ .88	+ 4	0.8	- 26
6232	+10	- .95	+ 4	0.7	- 17
6233	+ 2	- .95	+15	1.0	+ 4
6238	+ 7	- .98	+21	0.6	+ 15
6242	+ 4	- .99	+22	0.5	+ 17

(827) BS 7012 18h35.6m -64°58'

J.D.	h	P	m	p	v
	min				
4774	- 7	- .96	0	0.4	-".086
4775	0	- .96	+ 49	0.6	+ 6
4776	0	- .97	+ 39	0.7	- 13
4780	+ 3	- .99	+ 84	0.6	+ 73
4981	0	+ .98	+ 45	0.6	- 75
4991	0	+ .94	+ 85	0.9	0
4997	0	+ .90	+ 89	0.5	+ 9
4998	+ 2	+ .89	+ 90	1.0	+ 11
5126	0	- .88	+ 46	0.8	- 28
5134	+ 3	- .93	+ 94	0.8	+ 66
5136	0	- .94	+ 10	0.7	- 94
5140	- 2	- .96	+104	0.7	+ 81
5348	0	+ .98	+ 91	0.8	- 17
5362	+ 5	+ .90	+119	0.6	+ 38
5365	+ 3	+ .87	+147	0.6	+ 90
5369	- 2	+ .84	+ 65	0.5	- 62
5494	0	- .90	+ 57	0.7	- 36
5500	0	- .94	+ 64	1.0	- 21
5501	+ 4	- .94	+111	1.0	+ 68
5503	+ 3	- .95	+ 35	0.7	- 75

(828) 12 Aql 18h 56.3m -5° 53'

J.D.	h	P	m	p	v
	min				
5011	- 3	+ .81	+ 107	0.7	- ".013
5495	+ 3	- .87	+ 76	0.8	- 15
5503	- 3	- .93	+ 68	0.7	- 30
5518	+ 9	- .98	+ 79	0.7	- 9
5713	- 2	+ .99	+ 82	0.5	+ 4
5714	0	+ .98	+ 89	0.8	+ 15
5719	+ 2	+ .97	+ 98	0.8	+ 34
5734	- 6	+ .88	+ 75	0.8	- 8
5850	+ 7	- .77	+ 59	0.8	- 21
5867	0	- .92	+ 84	0.7	+ 32
5877	+ 2	- .97	+ 77	0.8	+ 21
5882	+ 3	- .98	+ 52	0.8	- 26
6083	0	+ .97	+ 93	0.7	+ 55
6084	+ 2	+ .97	+ 68	0.7	+ 9
6097	- 3	+ .90	+ 52	0.8	- 19
6098	+ 6	+ .89	+ 68	0.8	+ 11
6235	0	- .93	+ 46	1.0	- 9
6240	- 2	- .96	+ 58	0.7	+ 15
6242	+ 5	- .97	+ 77	0.6	+ 55
6454	- 2	+ .95	+ 13	1.0	- 64

(829) Cin 2487 18h 58.0m -20° 35'

J.D.	h	P	m	p	v
	min				
6246	0	- .98	+ 146	0.5	+ ".017
6459	+ 7	+ .92	+ 102	1.0	+ 26
6460	+ 3	+ .91	+ 88	1.2	+ 6
6462	0	+ .90	+ 91	1.0	+ 9
6587	0	- .82	+ 28	1.0	- 8
6594	+ 7	- .89	+ 20	1.0	- 19
6609	+ 5	- .97	+ 66	0.8	+ 77
6816	+ 3	+ .96	- 44	1.0	- 36
6826	0	+ .90	- 33	1.2	- 9
6839	0	+ .80	- 29	1.0	+ 6
6845	+ 8	+ .73	- 26	1.0	+ 19
6956	+ 6	- .86	- 103	1.0	- 39
6962	0	- .91	- 117	0.8	- 62
6969	- 3	- .95	- 118	1.2	- 55
7176	- 2	+ .98	- 173	0.6	- 70
7183	+ 3	+ .96	- 95	0.8	+ 83
7194	+ 4	+ .89	- 159	0.6	- 30
7198	- 6	+ .86	- 153	1.2	- 15
7321	+ 2	- .86	- 177	0.8	+ 36
7337	0	- .96	- 202	0.8	0
7339	+ 2	- .97	- 163	1.0	+ 77

(830) BS 7221 18h 59.3m -68° 35'

J.D.	h	P	m	p	v
	min				
5491	+ 5	- .82	- 88	0.4	- ".039
5507	- 2	- .93	- 63	0.7	+ 8
5518	+ 10	- .98	- 74	0.6	- 17
5721	+ 3	+ .96	+ 26	0.4	+ 36
5725	+ 3	+ .94	+ 24	0.7	+ 30
5729	+ 5	+ .92	+ 6	0.8	- 6
5734	+ 4	+ .89	+ 28	0.7	+ 34
5738	- 8	+ .86	- 8	0.4	- 34
5739	- 5	+ .85	+ 12	0.8	+ 4
5857	0	- .82	+ 26	0.6	+ 24
5874	+ 3	- .95	- 15	0.7	- 56
5877	+ 4	- .96	+ 12	0.7	- 8
5882	+ 10	- .98	+ 37	0.7	+ 39
6087	- 4	+ .96	+ 43	0.7	- 86
6095	+ 9	+ .91	+ 111	0.4	+ 38
6102	+ 9	+ .86	+ 107	0.3	+ 30
6104	+ 2	+ .85	+ 83	0.6	- 15
6233	0	- .92	+ 104	1.0	+ 17
6236	+ 6	- .93	+ 110	1.0	+ 26
6244	+ 6	- .97	+ 73	0.4	- 47

(831) 55 Sgtr 19h 36.8m -16° 22'

J.D.	h	P	m	p	v
	min				
4627	+ 3	+ .98	- 80	0.3	- ".077
4628	+ 3	+ .98	- 25	0.4	+ 24
4636	0	+ .95	- 56	0.5	- 34
4651	+ 3	+ .85	- 44	0.7	- 9
4769	0	- .81	- 56	1.0	+ 2
4774	0	- .86	- 50	1.0	+ 13
4780	- 2	- .90	- 42	0.8	+ 30
4786	- 6	- .94	- 59	1.0	- 2
4993	+ 3	+ .98	+ 16	0.6	+ 39
4998	0	+ .96	- 3	0.8	+ 2
5006	+ 2	+ .92	+ 1	1.0	+ 9
5134	0	- .81	- 33	0.8	- 21
5151	0	- .93	- 15	0.8	+ 15
5152	0	- .94	- 25	0.7	- 2
5154	- 4	- .95	- 51	0.6	- 53
5359	- 4	+ .98	+ 14	1.0	- 30
5363	+ 4	+ .96	+ 41	0.8	+ 21
5364	- 5	+ .96	+ 35	1.0	+ 9
5365	0	+ .95	+ 36	1.0	+ 9

(832) ε Pavo 19h 49.0m -73° 10'

J.D.	h	P	m	p	v
	min				
4658	+ 4	+ .82	+ 39	0.5	+ ".079
4661	0	+ .79	- 39	0.4	- 66
4663	+ 6	+ .76	- 8	0.6	- 8
4669	- 5	+ .69	+ 17	0.5	+ 36
4776	- 2	- .83	+ 18	0.4	+ 39
4789	+ 5	- .93	- 30	0.7	- 49
4791	+ 5	- .94	- 5	0.8	- 2
4796	+ 6	- .95	+ 4	0.8	+ 11
5008	+ 6	+ .93	+ 17	0.6	- 23
5010	+ 2	+ .91	+ 43	0.4	+ 28
5019	- 3	+ .85	+ 15	0.7	- 26
5020	+ 2	+ .84	+ 12	0.7	- 34
5147	+ 4	- .88	+ 65	0.4	+ 68
5151	+ 2	- .92	+ 17	1.0	- 21
5156	+ 4	- .94	+ 17	0.6	- 23
5162	+ 6	- .96	+ 49	0.7	+ 36
5163	+ 3	- .96	+ 26	0.8	- 8
5365	0	+ .97	+ 58	0.7	- 4
5375	- 6	+ .92	+ 71	0.4	+ 21
5382	+ 7	+ .87	+ 61	0.8	0
5383	- 6	+ .87	+ 70	0.7	+ 15

(833) 59 Sgtr 19h 50.8m -27° 26'

J.D.	h	P	m	p	v
	min				
5014	+ 2	+ .89	- 26	0.5	+ ".036
5031	- 4	+ .74	- 32	0.8	+ 21
5502	+ 4	- .80	- 19	0.8	+ 38
5521	0	- .93	- 72	0.4	- 62
5522	+ 4	- .94	- 43	0.8	- 9
5525	- 8	- .95	- 63	0.8	- 43
5730	0	+ .97	- 44	0.8	- 38
5734	+ 2	+ .94	- 14	0.8	+ 23
5742	- 3	+ .91	- 13	0.8	+ 23
5749	0	+ .85	- 43	0.8	- 34
5877	0	- .88	+ 8	0.8	+ 71
5890	+ 4	- .95	- 34	0.8	- 8
6102	0	+ .93	- 47	0.8	- 60
6104	+ 5	+ .93	- 37	0.7	- 39
6235	+ 2	- .82	- 59	0.7	- 75
6240	+ 6	- .86	- 1	0.8	+ 34
6251	0	- .93	- 10	0.5	+ 19
6463	+ 6	+ .96	+ 30	0.8	+ 64
6472	+ 3	+ .91	- 24	1.0	- 36
6477	- 4	+ .88	+ 19	1.0	+ 47

(834) BS 7625 $19^h 53^m.3$ $-59°39'$

J.D.	h	P	m	p	v
	min				
5024	+ 7	+ .82	+ 8	0.7	-".008
5509	+ 5	- .85	+ 42	0.8	+ 39
5525	+ 3	- .95	+ 18	0.8	- 9
5528	+ 6	- .96	- 10	0.4	- 60
5734	+ 4	+ .95	+ 20	0.8	- 13
5739	+ 5	+ .93	+ 51	0.8	+ 47
5751	+ 3	+ .84	+ 34	0.8	+ 13
5887	+10	- .93	+ 80	0.3	+ 94
5890	+ 9	- .95	+ 19	0.8	- 21
6102	+10	+ .94	+ 3	0.8	- 60
6104	+ 5	+ .93	+ 5	0.7	- 55
6240	+ 9	- .85	+ 57	0.7	+ 36
6482	0	+ .84	+ 66	0.8	+ 43
6606	0	- .86	+ 23	0.7	- 41
6613	+ 7	- .90	+ 38	0.7	- 15
6621	+ 5	- .95	+ 44	1.0	- 2
6832	+ 4	+ .94	+ 65	1.0	+ 26
6838	0	+ .91	+ 32	0.7	- 34
6839	0	+ .90	+ 60	1.0	+ 19

(835) BS 7659 $19^h 58^m.0$ $-32°20'$

J.D.	h	P	m	p	v
	min				
5025	+ 5	+ .82	+ 4	0.4	-".030
5031	+ 6	+ .75	+ 43	0.8	+ 45
5384	- 2	+ .87	+ 48	1.0	+ 24
5385	+ 2	+ .86	+ 18	0.8	- 30
5508	+ 3	- .83	+ 20	0.8	- 30
5521	+ 6	- .92	+ 47	0.5	+ 21
5525	+ 6	- .94	+ 21	0.8	- 30
5527	+ 7	- .95	+ 39	0.9	+ 6
5730	+ 4	+ .97	+ 39	0.8	- 19
5738	+ 8	+ .94	+ 77	0.7	+ 53
5740	0	+ .93	+ 73	0.8	+ 43
5749	+10	+ .87	+ 49	0.7	0
5877	+ 5	- .86	+ 35	1.0	- 30
5890	+11	- .94	+ 47	0.7	- 8
5896	+10	- .96	+ 68	0.6	+ 30
6104	+ 9	+ .94	+ 26	1.0	- 70
6109	+ 5	+ .91	+ 28	0.7	- 68
6244	+ 8	- .88	+ 77	0.7	+ 23
6251	+ 8	- .92	+108	0.4	+ 79
6463	+ 7	+ .97	+ 98	0.5	+ 38
6472	+ 5	+ .92	+ 85	1.0	+ 11
6477	+ 8	+ .89	+ 85	0.7	+ 13

(836) Cin 2637 $20^h 7^m.8$ $-15°44'$

J.D.	h	P	m	p	v
	min				
6256	+10	- .93	+23	0.7	-".060
6263	+ 7	- .95	+39	1.0	- 28
6264	+11	- .95	+89	1.0	+ 64
6460	+ 3	+ .97	+29	0.6	+ 9
6462	- 2	+ .97	+30	1.0	+ 11
6471	0	+ .94	-10	1.0	- 64
6476	+ 5	+ .91	+37	1.0	+ 23
6613	+10	- .88	+52	1.0	+ 13
6621	0	- .93	+48	1.0	+ 9
6826	- 3	+ .97	+35	1.0	+ 41
6835	0	+ .94	+ 3	1.0	- 21
6845	+ 2	+ .88	-14	1.0	- 53
6847	+ 2	+ .87	+22	1.0	+ 15
6994	+ 7	- .95	+92	0.8	+ 111
6995	+10	- .96	+10	1.0	- 45
7192	+ 3	+ .97	+34	0.7	+ 60
7195	+ 2	+ .96	+ 4	0.8	+ 6
7202	+ 6	+ .93	0	1.0	- 6
7340	0	- .86	+25	1.0	+ 6
7348	+ 8	- .91	-24	0.8	- 88
7354	+ 5	- .94	+26	1.0	+ 8

(837) υ Capr $20^h 34^m.4$ $-18°29'$

J.D.	h	P	m	p	v
	min				
4641	- 2	+ .97	+ 99	0.5	+".071
4642	+ 4	+ .96	+ 76	0.8	+ 28
4657	+ 3	+ .90	+ 22	0.7	- 70
4663	+ 3	+ .85	+103	0.5	+ 86
4669	0	+ .80	+ 66	0.6	+ 19
4783	0	- .80	+ 48	0.8	+ 36
4795	+ 3	- .88	+ 15	0.8	- 21
4800	- 2	- .91	+ 8	0.8	- 32
4802	- 2	- .92	- 60	0.5	- 162
4803	+ 2	- .92	+ 18	0.8	- 13
5007	+ 3	+ .96	- 14	0.8	- 47
5010	+ 2	+ .96	+ 5	1.0	- 11
5014	- 2	+ .94	+ 22	0.8	+ 23
5150	+ 5	- .81	- 18	0.8	+ 6
5157	+ 3	- .86	+ 7	0.8	+ 56
5164	+ 3	- .91	+ 16	0.8	+ 75
5172	+ 7	- .94	- 30	0.6	- 9
5376	+ 2	+ .95	- 44	0.8	- 9
5382	0	+ .93	- 86	0.7	- 86
5383	- 2	+ .93	- 2	0.6	+ 71
5385	+ 2	+ .91	- 49	0.8	- 17

(838) ψ Capr $20^h 40^m.2$ $-25°38'$

J.D.	h	P	m	p	v
	min				
4641	0	+ .97	+ 50	0.5	-".030
4643	+ 5	+ .97	+ 67	0.7	0
4649	+ 2	+ .94	+ 53	1.0	- 24
4651	0	+ .94	+ 90	0.6	+ 47
4653	0	+ .93	+ 87	1.0	+ 43
4785	+ 2	- .80	- 16	1.0	+ 30
4789	+ 5	- .82	- 69	0.8	- 64
4802	- 2	- .91	- 25	1.0	+ 26
4803	+ 5	- .92	- 53	1.0	- 24
5010	+ 2	+ .96	+ 55	0.7	+ 34
5011	0	+ .96	+ 48	0.8	+ 23
5018	+ 3	+ .93	+ 18	0.8	- 32
5020	0	+ .92	0	1.0	- 64
5156	- 2	- .84	- 86	1.2	- 39
5157	+ 2	- .85	- 28	1.0	+ 71
5164	+ 3	- .90	- 53	0.8	+ 28
5173	+ 3	- .94	- 85	0.8	- 26
5375	+ 3	+ .96	+ 2	0.6	- 9
5381	+ 3	+ .94	+ 49	0.8	+ 83
5383	- 2	+ .93	+ 2	1.0	- 6
5388	0	+ .90	- 27	0.8	- 56

(839) 3 Aqar $20^h 42^m.5$ $-5°24'$

J.D.	h	P	m	p	v
	min				
4783	0	- .77	+51	0.8	+".039
4800	+ 2	- .90	+15	0.8	- 26
5024	+ 2	+ .90	+31	1.0	+ 26
5031	- 2	+ .85	+23	0.8	+ 11
5035	0	+ .81	- 1	0.8	- 34
5162	0	- .88	+36	0.7	+ 26
5382	+ 4	+ .93	+11	0.8	+ 4
5385	0	+ .92	-22	0.7	- 58
5388	+ 3	+ .90	-10	0.5	- 36
5392	0	+ .87	+17	0.6	+ 15
5514	+ 5	- .77	-16	0.5	- 58
5522	+ 4	- .84	- 2	0.7	- 30
5533	0	- .91	+29	0.8	+ 28
5537	+ 5	- .93	+ 4	0.8	- 19
5754	+ 6	+ .90	+13	0.8	+ 21
5756	+ 2	+ .89	+17	0.8	+ 28
5758	-10	+ .87	- 2	0.8	- 8
5893	0	- .88	+31	0.6	+ 45
5904	+ 4	- .94	+18	0.8	+ 19
5906	+11	- .94	-14	0.7	- 41

(840) α Octn $20^h 52^m.6$ $-77°24'$

J.D.	h	P	m	p	v
	min				
4658	0	+ .92	+ 45	0.7	− ".073
4661	0	+ .90	+ 118	0.4	+ 66
4663	0	+ .89	+ 103	0.5	+ 38
4673	− 3	+ .81	+ 79	0.8	− 6
4680	0	+ .74	+ 160	0.4	+ 150
4791	+ 3	− .81	+ 48	0.8	− 19
4801	+ 3	− .88	+ 36	0.8	− 38
4804	0	− .90	+ 48	0.7	− 15
5018	+ 3	+ .94	+ 136	0.3	+ 96
5020	+ 2	+ .93	+ 76	0.8	− 15
5160	+ 8	− .84	+ 40	0.8	− 34
5163	+ 7	− .86	+ 90	0.6	+ 60
5174	+ 5	− .93	+ 46	0.6	− 19
5177	0	− .93	+ 29	0.4	− 53
5382	0	+ .94	+ 44	0.4	− 79
5385	0	+ .93	+ 73	0.7	− 23
5523	0	− .82	+ 71	0.7	+ 21
5533	+ 8	− .89	+ 65	0.8	+ 13
5539	+ 4	− .93	+ 117	0.4	+ 111
5755	+ 2	+ .91	+ 91	0.8	+ 8
5759	+ 2	+ .88	+ 70	0.7	− 28

(841) BS 8061 $20^h 58^m.9$ $-73°34'$

J.D.	h	P	m	p	v
	min				
5518	− 2	− .76	− 226	0.6	+ ".034
5521	0	− .78	− 218	0.2	+ 43
5532	+ 5	− .87	− 255	0.6	− 32
5752	0	+ .93	− 28	0.7	+ 58
5754	0	+ .92	− 70	0.6	− 24
5757	+ 9	+ .90	− 49	0.5	+ 13
5762	0	+ .87	− 61	0.5	− 11
5896	0	− .87	− 59	0.6	− 56
5903	+ 10	− .91	− 48	0.8	− 39
6111	− 3	+ .95	+ 170	0.3	+ 41
6116	+ 2	+ .93	+ 149	1.0	− 4
6251	+ 6	− .78	+ 163	0.8	− 26
6265	0	− .89	+ 236	0.7	+ 103
6266	+ 4	− .89	+ 176	1.0	− 11
6270	0	− .91	+ 184	1.0	− 2
6475	+ 3	+ .96	+ 375	0.7	+ 34
6480	+ 5	+ .93	+ 330	1.0	− 56
6482	+ 5	+ .93	+ 354	0.7	− 11
6485	+ 5	+ .92	+ 361	0.7	− 4
6614	0	− .76	+ 411	1.0	+ 47
6629	0	− .88	+ 344	1.0	− 90
6634	+ 7	− .91	+ 448	0.6	+ 103

(842) δ Equl $21^h 9^m.6$ $+9°36'$

J.D.	h	P	m	p	v
	min				
5522	+ 10	− .77	− 76	0.8	− ".017
5532	+ 3	− .85	− 77	0.8	− 17
5755	+ 5	+ .93	− 8	0.7	− 21
5756	+ 2	+ .93	+ 17	0.8	+ 24
5759	+ 2	+ .90	+ 9	1.0	+ 13
5765	− 6	+ .86	− 27	0.8	− 53
5893	+ 4	− .83	− 10	0.7	+ 77
5904	+ 6	− .89	− 59	0.8	− 15
6118	+ 2	+ .93	+ 34	0.6	+ 26
6123	− 3	+ .91	+ 27	0.8	+ 13
6263	− 4	− .85	− 26	0.8	+ 15
6272	+ 2	− .91	− 47	0.4	− 23
6277	+ 11	− .93	− 26	0.6	+ 21
6479	+ 2	+ .95	+ 24	1.0	− 26
6482	+ 5	+ .94	+ 8	0.7	− 55
6488	+ 5	+ .92	+ 99	0.3	+ 117
6496	+ 4	+ .86	+ 51	0.8	+ 30
6616	+ 3	− .76	− 12	0.9	+ 2
6629	+ 6	− .86	− 33	1.0	− 30
6633	+ 2	− .89	− 17	1.0	+ 2

(843) 29 Capr $21^h 10^m.2$ $-15°35'$

J.D.	h	P	m	p	v
	min				
4437	0	− .86	− 57	0.4	− ".098
4448	+ 10	− .91	+ 2	0.7	+ 13
4653	+ 2	+ .95	− 10	0.5	− 11
4656	− 2	+ .93	+ 31	0.6	+ 68
4661	− 4	+ .92	+ 17	0.6	+ 39
4669	+ 8	+ .86	− 2	0.8	+ 4
4795	0	− .80	+ 9	0.5	+ 11
4800	− 2	− .85	0	0.8	− 6
4814	+ 7	− .92	− 2	0.7	− 11
5018	0	+ .95	− 15	0.7	− 36
5024	+ 2	+ .93	+ 1	1.0	− 6
5031	0	+ .89	+ 6	0.6	+ 2
5035	− 2	+ .86	− 2	0.8	− 13
5164	+ 2	− .84	+ 8	0.7	− 8
5173	+ 5	− .89	+ 41	0.4	+ 55
5381	+ 2	+ .96	+ 18	0.8	+ 9
5382	+ 2	+ .95	+ 5	0.7	− 15
5389	+ 6	+ .93	+ 8	1.0	− 9
5390	0	+ .93	+ 8	1.0	− 9
5539	+ 7	− .89	+ 48	0.4	+ 51
5546	+ 7	− .93	+ 17	0.5	− 8

(844) BS 8196 $21^h 19^m.8$ $-69°56'$

J.D.	h	P	m	p	v
	min				
5407	+ 2	+ .83	− 5	0.4	− ".036
5410	+ 4	+ .81	+ 35	0.7	+ 39
5411	+ 2	+ .80	− 33	0.5	− 90
5518	+ 3	− .70	+ 28	0.8	+ 38
5543	0	− .90	+ 18	1.0	+ 17
5548	+ 8	− .92	− 6	0.8	− 28
5549	+ 7	− .92	+ 5	0.5	− 8
5752	+ 2	+ .94	+ 36	0.8	− 15
5755	0	+ .93	+ 44	0.8	0
5757	0	+ .92	+ 44	0.8	0
5762	+ 5	+ .90	+ 67	0.6	+ 41
5887	− 4	− .74	+ 38	0.5	− 2
5899	+ 10	− .84	+ 36	1.0	− 6
5910	+ 8	− .91	+ 28	0.8	− 21
5915	+ 11	− .93	+ 77	0.5	+ 70
6116	+ 3	+ .95	+ 66	0.8	− 15
6120	+ 9	+ .93	+ 74	0.8	− 2
6125	+ 2	+ .92	+ 85	0.8	+ 19
6129	+ 6	+ .89	+ 81	1.0	+ 11
6270	+ 5	− .88	+ 67	0.8	− 8
6277	+ 8	− .91	+ 48	0.5	− 41

(845) ν Octn $21^h 30^m.4$ $-77°50'$

J.D.	h	P	m	p	v
	min				
4687	− 9	+ .76	− 12	0.4	− ".047
4688	− 6	+ .75	+ 4	0.6	− 17
4690	0	+ .73	+ 88	0.5	+ 141
4691	− 4	+ .73	+ 15	0.8	+ 6
4692	0	+ .72	+ 35	0.8	+ 43
4795	− 2	− .74	− 9	0.5	+ 51
4802	− 3	− .80	− 55	0.5	− 30
4808	0	− .86	− 70	0.3	− 56
5020	0	+ .95	+ 4	0.5	− 53
5021	0	+ .95	0	0.7	− 62
5162	0	− .76	− 46	0.8	− 49
5176	+ 3	− .87	− 2	0.8	+ 45
5389	0	+ .95	+ 27	0.8	− 36
5403	− 4	+ .88	+ 3	0.7	− 81
5523	0	− .72	− 35	0.6	− 49
5533	− 3	− .81	+ 45	0.5	+ 103
5543	0	− .88	− 11	0.7	+ 6
5546	+ 7	− .90	− 51	0.5	− 71
5755	0	+ .94	+ 58	0.6	− 6
5759	− 2	+ .93	+ 119	0.6	+ 111
5765	+ 4	+ .89	+ 74	0.8	+ 26

(846) γ Capr 21h 34m.6 −17° 7'

J.D.	h	P	m	p	v
	min				″
4653	0	+ .96	− 53	0.4	− .036
4656	− 5	+ .95	− 62	0.8	− 55
4657	− 4	+ .95	+ 9	0.3	+ 79
4658	− 2	+ .95	− 38	0.8	− 9
4661	− 6	+ .94	− 63	0.6	− 58
4669	− 3	+ .90	− 9	0.8	+ 39
4800	− 3	− .78	− 24	0.7	+ 6
4804	− 4	− .82	− 18	0.8	+ 19
4817	+ 4	− .90	+ 22	0.3	+ 88
5021	+ 5	+ .95	+ 64	0.8	+ 8
5024	0	+ .95	+ 97	0.6	+ 70
5035	− 6	+ .89	+ 61	0.8	− 2
5173	+ 8	− .85	+ 71	0.8	+ 8
5174	0	− .86	+ 44	0.5	− 43
5178	0	− .88	+ 51	0.8	− 28
5390	+ 2	+ .95	+183	0.4	+ 55
5391	0	+ .94	+156	0.6	+ 11
5395	− 3	+ .93	+126	0.8	− 53
5533	+ 2	− .80	+141	0.9	− 39
5545	0	− .88	+168	0.8	+ 15
5547	0	− .89	+167	0.8	+ 11
5757	+ 3	+ .94	+239	0.8	− 15
5762	+ 4	+ .92	+273	0.5	+ 49

(847) θ Pegs 22h 5m.2 +5° 42'

J.D.	h	P	m	p	v
	min				″
4687	+ 4	+ .83	−220	0.4	− .053
4688	+ 9	+ .82	−172	0.7	+ 36
4691	+ 8	+ .80	−187	0.7	+ 8
4692	+ 2	+ .79	−142	0.6	+ 90
4696	+ 4	+ .75	−184	0.7	+ 11
4800	+10	− .70	−165	0.5	+ 32
4814	0	− .83	−224	0.4	− 83
5032	+ 3	+ .93	− 98	0.7	− 83
5049	+ 6	+ .85	− 60	0.8	− 23
5176	0	− .79	− 23	0.8	+ 24
5177	+ 5	− .80	− 37	0.8	− 2
5188	+ 4	− .88	− 37	1.0	− 8
5411	+ 3	+ .87	+ 87	0.8	− 13
5413	+ 7	+ .86	+ 83	0.8	− 23
5545	+ 4	− .83	+ 87	0.7	− 41
5546	+ 3	− .83	+133	0.5	+ 47
5549	0	− .86	+135	0.4	+ 51
5551	+ 2	− .86	+ 93	0.5	− 30
5758	− 2	+ .95	+225	0.8	− 13
5762	+ 5	+ .94	+289	0.6	+ 103
5773	− 4	+ .89	+262	0.6	+ 47
5774	0	+ .89	+210	0.8	− 53

(848) κ Aqar 22h 32m.6 −4° 45'

J.D.	h	P	m	p	v
	min				″
4687	+ 6	+ .88	+ 93	0.8	+ .013
4688	+ 5	+ .87	+ 74	0.8	− 23
4691	0	+ .85	+ 77	1.0	− 15
4697	+ 2	+ .80	+ 85	0.8	0
4813	0	− .75	+ 90	0.7	+ 53
4823	+ 3	− .83	+ 65	0.7	+ 9
5038	0	+ .93	+ 58	0.7	+ 13
5042	+ 2	+ .93	+ 24	0.7	− 51
5176	+ 3	− .72	+ 54	1.0	+ 55
5188	+ 3	− .82	+ 32	1.0	+ 15
5190	0	− .84	+ 22	0.7	− 2
5197	+ 6	− .88	− 7	0.6	− 55
5416	+ 3	+ .88	+ 19	1.0	+ 13
5432	− 5	+ .77	− 4	0.7	− 26
5545	+ 3	− .76	− 68	0.4	− 105
5549	+ 3	− .79	− 17	0.6	− 8
5550	+ 7	− .80	− 31	0.8	− 34
5772	+ 2	+ .93	− 6	0.8	+ 32
5774	+ 3	+ .92	− 19	0.8	+ 8
5779	− 3	+ .90	− 13	0.8	+ 21

(849) BS 8623 22h 34m.8 −31° 10'

J.D.	h	P	m	p	v
	min				″
4808	+ 5	− .69	+ 52	0.5	− .021
5053	0	+ .88	+ 18	0.8	− 32
5056	+ 3	+ .85	+ 59	0.8	+ 45
5174	+ 2	− .70	+ 61	0.8	+ 92
5186	0	− .80	+ 7	0.6	− 4
5412	+ 3	+ .91	− 27	0.5	− 24
5418	+ 7	+ .88	− 36	0.8	− 39
5425	+ 2	+ .83	− 29	0.8	− 26
5432	0	+ .77	− 17	0.6	0
5543	0	− .74	− 51	0.8	− 21
5548	0	− .78	− 61	0.8	− 38
5551	0	− .80	− 65	0.8	− 45
5552	+ 2	− .81	− 23	0.6	+ 32
5763	− 3	+ .94	− 55	0.6	+ 11
5765	− 4	+ .94	− 67	0.7	− 11
5776	− 3	+ .92	− 15	0.4	+ 92
5777	+ 3	+ .90	− 45	0.5	+ 34
5904	+ 9	− .69	− 85	1.0	+ 6
5906	+ 8	− .70	− 89	1.0	+ 2
5921	+ 3	− .84	− 89	1.0	+ 6

(850) θ Pisc 23h 22m.9 +5° 50'

J.D.	h	P	m	p	v
	min				″
4699	− 2	+ .88	+216	0.4	+ .028
4700	+ 6	+ .88	+244	0.4	+ 81
4713	+ 3	+ .78	+175	1.0	− 49
4715	+ 8	+ .76	+173	1.0	− 51
4821	+ 5	− .68	+166	0.3	0
5206	+ 2	− .84	+ 84	0.8	+ 11
5424	+ 5	+ .90	+ 80	0.6	+ 81
5550	0	− .67	− 39	0.4	− 73
5561	+ 6	− .77	+ 11	0.6	+ 24
5568	+ 9	− .83	+ 10	0.8	+ 28
5776	0	+ .94	− 35	0.5	+ 15
5920	+ 8	− .71	− 83	0.7	+ 4
5934	+ 9	− .83	− 73	0.8	+ 28
6158	− 6	+ .89	−143	0.8	− 26
6292	+ 5	− .78	−169	1.0	+ 2
6299	+ 9	− .83	−168	1.0	+ 8
6303	+ 9	− .85	−221	0.5	− 92
6508	− 3	+ .93	−219	1.0	− 17
6510	+ 2	+ .93	−218	0.9	− 13
6516	+ 5	+ .92	−196	1.0	+ 30

(851) BS 8931 23h 26m.4 −4° 38'

J.D.	h	P	m	p	v
	min				″
5063	+ 2	+ .89	−200	0.5	− .039
5066	+ 4	+ .88	−176	0.6	+ 4
5550	+ 3	− .65	− 96	0.5	+ 43
5563	0	− .78	− 88	0.6	+ 71
5777	0	+ .93	− 34	0.5	+ 13
5784	− 4	+ .92	− 22	0.7	+ 32
5920	+10	− .70	− 52	0.8	− 8
5924	0	− .74	− 46	0.8	+ 4
5936	+ 7	− .84	− 68	0.8	− 39
5941	+ 7	− .87	− 64	0.8	− 30
6142	− 2	+ .93	+ 35	0.7	+ 9
6153	+ 2	+ .91	− 26	0.3	− 109
6158	− 5	+ .90	+ 16	0.7	− 32
6286	+ 4	− .71	+ 20	1.0	− 4
6298	+ 2	− .81	+ 14	0.8	− 17
6302	+ 4	− .84	+ 28	1.0	+ 9
6305	+ 8	− .86	+ 30	0.6	+ 13
6508	0	+ .93	+118	1.0	+ 32
6509	0	+ .93	+ 91	0.8	− 19
6513	+ 4	+ .92	+113	1.0	+ 23

No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp
1	123	144	9	51	166	165	15	101	139	144	10	151	120	120	6	201	136	146	6
2	130	126	15	52	146	120	15	102	153	164	16	152	145	159	6	202	157	150	19
3	141	139	9	53	124	132	14	103	134	140	7	153	152	139	12	203	166	164	6
4	121	121	5	54	148	135	8	104	152	160	12	154	130	125	21	204	162	127	5
5	110	112	13	55	167	170	12	105	192	171	9	155	132	146	8	205	205	239	37
6	117	112	13	56	178	154	7	106	169	181	32	156	155	151	9	206	146	146	3
7	124	118	20	57	150	162	19	107	143	173	17	157	147	137	12	207	128	125	11
8	138	128	16	58	200	189	21	108	168	173	7	158	145	138	16	208	171	163	15
9	208	205	22	59	137	135	13	109	115	129	4	159	164	162	15	209	169	158	15
10	108	107	11	60	132	123	13	110	189	186	5	160	172	153	16	210	142	153	23
11	112	112	8	61	161	144	12	111	161	167	13	161	129	136	12	211	153	137	6
12	138	142	7	62	176	175	8	112	164	163	26	162	133	144	12	212	146	168	8
13	172	182	10	63	185	179	11	113	150	158	30	163	147	166	35	213	212	216	17
14	136	133	9	64	202	171	10	114	146	133	4	164	170	164	9	214	166	170	5
15	124	128	13	65	204	210	11	115	115	99	7	165	164	139	4	215	175	192	13
16	168	173	12	66	148	150	10	116	104	90	7	166	154	139	11	216	134	130	6
17	128	133	14	67	202	185	9	117	106	110	11	167	142	126	9	217	132	140	5
18	182	174	10	68	195	187	0	118	117	108	7	168	134	107	10	218	160	144	7
19	139	127	7	69	149	158	4	119	131	137	15	169	118	115	4	219	162	142	9
20	203	204	8	70	197	178	11	120	140	128	7	170	124	109	12	220	120	114	2
21	158	181	4	71	142	147	2	121	153	146	16	171	108	93	10	221	166	143	5
22	145	145	16	72	158	158	6	122	127	139	10	172	124	116	16	222	112	105	8
23	163	153	7	73	170	160	5	123	148	136	20	173	149	153	14	223	128	108	5
24	160	138	14	74	176	171	5	124	122	116	12	174	190	184	6	224	86	85	5
25	166	192	9	75	175	165	7	125	146	133	4	175	187	195	15	225	209	190	21
26	207	213	26	76	171	180	9	126	158	154	13	176	142	143	5	226	189	168	8
27	169	189	38	77	122	122	3	127	168	149	13	177	153	131	5	227	138	114	3
28	173	189	38	78	173	154	4	128	147	160	2	178	180	167	9	228	200	221	6
29	108	118	11	79	154	171	6	129	145	117	7	179	151	125	4	229	171	145	11
30	117	119	6	80	127	136	4	130	176	182	11	180	210	182	6	230	149	145	13
31	187	169	12	81	126	108	6	131	147	161	14	181	161	148	10	231	191	195	12
32	143	143	7	82	147	155	16	132	143	139	18	182	176	145	12	232	196	195	17
33	135	117	15	83	173	166	17	133	173	152	1	183	158	164	4	233	180	181	6
34	76	71	12	84	161	166	23	134	182	144	15	184	156	159	4	234	129	130	9
35	144	144	6	85	137	151	12	135	135	134	6	185	128	131	8	235	151	142	15
36	144	139	24	86	174	186	13	136	160	141	20	186	225	210	29	236	128	128	12
37	87	79	5	87	191	182	6	137	114	116	11	187	178	174	5	237	125	129	12
38	193	195	18	88	116	133	7	138	132	144	8	188	153	147	14	238	156	138	21
39	64	58	4	89	175	163	9	139	145	123	2	189	141	136	3	239	82	79	2
40	118	110	12	90	152	146	7	140	158	152	4	190	141	152	5	240	118	127	15
41	103	95	10	91	175	163	13	141	132	133	1	191	160	152	17	241	205	193	8
42	107	105	10	92	119	118	8	142	117	117	5	192	140	136	6	242	203	203	14
43	162	174	13	93	160	129	7	143	155	134	1	193	223	223	17	243	172	192	6
44	111	103	10	94	114	120	10	144	123	121	3	194	122	117	4	244	131	122	10
45	116	108	12	95	120	118	9	145	158	164	7	195	154	171	10	245	175	175	12
46	121	120	1	96	154	140	23	146	157	160	4	196	175	154	8	246	187	198	9
47	106	110	10	97	142	142	12	147	158	159	5	197	165	156	16	247	125	122	10
48	92	101	2	98	185	162	2	148	154	129	11	198	125	123	10	248	157	138	20
49	100	101	2	99	127	106	7	149	154	129	11	199	140	147	9	249	189	169	17
50	118	121	6	100	143	134	4	150	180	157	10	200	138	124	14	250	197	151	8

Unit = .001 mm

No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp
251	182	172	14	301	159	154	15	351	202	202	6	401	136	106	12	451	161	159	6
252	161	167	8	302	106	110	22	352	147	144	14	402	104	106	12	452	133	140	19
253	167	156	10	303	142	140	7	353	165	147	10	403	90	88	2	453	163	142	7
254	181	197	9	304	128	129	6	354	169	162	19	404	139	132	23	454	155	177	14
255	146	126	4	305	118	117	4	355	130	150	16	405	209	204	12	455	183	192	7
256	196	203	10	306	210	199	8	356	130	129	7	406	139	148	15	456	144	143	8
257	155	138	12	307	149	145	10	357	142	133	5	407	95	97	6	457	160	166	4
258	199	154	12	308	164	165	19	358	134	123	8	408	191	146	20	458	128	126	6
259	132	167	5	309	172	180	20	359	117	149	34	409	176	145	21	459	131	147	14
260	153	167	5	310	99	108	17	360	158	167	12	410	140	149	19	460	180	210	7
261	198	141	10	311	154	167	13	361	145	156	7	411	105	100	10	461	166	173	4
262	139	149	13	312	173	172	12	362	137	142	13	412	118	122	3	462	151	149	11
263	134	132	16	313	190	155	13	363	161	153	25	413	80	78	6	463	141	141	8
264	128	121	10	314	143	136	24	364	164	169	10	414	160	133	15	464	127	139	17
265	126	123	12	315	150	130	7	365	159	153	14	415	105	101	5	465	139	137	2
266	141	152	16	316	192	154	20	366	159	155	9	416	100	100	4	466	150	135	6
267	163	153	8	317	178	171	7	367	224	189	18	417	105	125	7	467	157	162	4
268	178	160	25	318	166	167	11	368	175	164	15	418	128	138	16	468	176	192	16
269	140	145	7	319	156	143	8	369	128	120	8	419	159	141	18	469	124	132	15
270	154	163	16	320	171	168	6	370	157	150	16	420	97	102	7	470	120	133	10
271	179	163	16	321	178	179	4	371	106	103	4	421	107	101	5	471	150	153	12
272	158	132	2	322	142	155	23	372	146	152	5	422	137	142	6	472	158	164	15
273	112	116	12	323	141	142	12	373	112	130	15	423	146	146	21	473	138	137	14
274	127	126	18	324	156	151	9	374	190	167	22	424	119	121	12	474	147	172	26
275	154	153	7	325	187	164	13	375	186	187	16	425	162	183	8	475	140	113	8
276	141	143	13	326	118	131	5	376	144	109	7	426	156	159	15	476	186	163	12
277	163	145	14	327	111	103	4	377	174	164	11	427	151	173	10	477	143	154	3
278	110	104	6	328	166	159	3	378	179	185	18	428	143	147	5	478	182	178	14
279	155	174	17	329	150	159	7	379	156	144	17	429	166	148	10	479	118	131	5
280	99	112	4	330	170	151	13	380	200	197	10	430	185	165	18	480	130	125	6
281	100	101	5	331	139	151	5	381	144	136	10	431	111	111	8	481	134	130	4
282	144	125	3	332	154	165	6	382	148	136	10	432	140	136	11	482	94	87	2
283	174	182	16	333	163	157	7	383	200	193	6	433	125	120	6	483	150	145	9
284	139	144	11	334	146	147	4	384	176	173	11	434	127	116	10	484	126	145	9
285	153	182	7	335	175	172	15	385	147	150	4	435	89	90	12	485	139	145	7
286	174	195	3	336	175	182	16	386	144	146	22	436	99	90	12	486	152	152	20
287	124	136	8	337	154	174	6	387	117	103	4	437	78	93	20	487	123	131	7
288	100	107	4	338	142	158	4	388	144	144	13	438	88	93	20	488	164	157	5
289	140	137	16	339	150	124	5	389	108	121	6	439	134	132	9	489	171	169	6
290	142	131	14	340	168	167	13	390	118	123	4	440	130	119	8	490	164	175	11
291	140	133	11	341	141	145	7	391	105	108	7	441	119	110	4	491	153	159	6
292	104	99	4	342	129	133	6	392	170	147	8	442	110	110	4	492	169	154	18
293	122	114	5	343	193	155	9	393	133	119	8	443	126	126	12	493	185	185	27
294	155	160	17	344	149	152	2	394	106	97	4	444	105	109	6	494	170	165	12
295	149	160	17	345	171	161	3	395	147	147	13	445	139	131	10	495	156	163	9
296	111	107	7	346	219	187	10	396	142	120	6	446	160	151	11	496	146	148	5
297	126	128	7	347	170	180	20	397	140	132	12	447	130	104	6	497	134	155	17
298	97	102	11	348	166	165	22	398	122	115	8	448	133	139	16	498	176	195	12
299	100	102	11	349	167	153	6	399	141	146	6	449	167	157	13	499	147	175	6
300	110	113	9	350	132	138	5	400	155	157	6	450	135	138	8	500	85	72	11

Unit = .001 mm

No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp
501	142	145	17	551	144	135	5	601	172	190	6	651	140	140	9	701	154	151	9
502	167	154	16	552	140	149	15	602	163	152	12	652	177	178	12	702	150	165	7
503	171	196	4	553	154	158	5	603	180	172	7	653	150	159	12	703	130	138	2
504	74	74	11	554	155	155	4	604	222	208	9	654	146	139	16	704	148	145	2
505	154	162	7	555	126	101	5	605	154	173	11	655	164	182	46	705	151	159	17
506	150	128	13	556	166	162	9	606	166	164	12	656	185	190	10	706	164	129	18
507	86	84	23	557	133	133	5	607	169	167	20	657	170	180	16	707	154	137	6
508	174	181	14	558	158	173	15	608	170	149	3	658	173	189	18	708	146	142	9
509	124	124	7	559	162	158	9	609	148	148	2	659	143	133	8	709	152	167	20
510	157	183	9	560	198	177	6	610	151	160	4	660	164	162	9	710	167	157	12
511	175	178	11	561	174	183	8	611	173	178	22	661	139	148	14	711	158	141	21
512	172	174	3	562	160	168	10	612	144	135	7	662	176	178	14	712	186	162	16
513	158	161	11	563	184	177	10	613	148	169	11	663	193	222	18	713	212	181	17
514	162	169	4	564	194	189	12	614	180	167	9	664	186	186	17	714	148	144	9
515	168	173	9	565	119	136	10	615	158	158	19	665	154	145	4	715	200	189	3
516	188	188	16	566	164	152	15	616	178	196	9	666	143	133	13	716	152	155	4
517	143	165	9	567	154	147	8	617	150	165	14	667	199	188	16	717	192	192	25
518	179	156	5	568	146	163	13	618	165	165	7	668	200	200	11	718	171	180	18
519	132	139	16	569	120	133	18	619	185	174	34	669	194	191	14	719	202	191	24
520	218	191	21	570	164	144	3	620	172	183	16	670	132	138	7	720	158	164	8
521	161	159	16	571	164	154	20	621	154	148	11	671	148	147	5	721	168	157	10
522	140	130	6	572	158	160	9	622	175	163	17	672	150	154	15	722	174	156	8
523	164	171	7	573	165	160	9	623	146	157	20	673	150	140	11	723	164	165	8
524	164	136	22	574	150	150	11	624	162	167	24	674	160	154	0	724	210	184	15
525	167	160	11	575	170	178	5	625	148	146	11	675	165	163	7	725	172	175	5
526	135	123	11	576	148	148	6	626	166	159	6	676	180	173	20	726	208	189	15
527	161	168	22	577	165	160	22	627	140	131	4	677	218	202	9	727	166	164	10
528	126	114	4	578	160	166	11	628	170	158	12	678	222	216	16	728	170	168	21
529	128	130	6	579	192	204	17	629	162	184	9	679	160	168	8	729	176	178	13
530	174	165	9	580	140	158	14	630	155	172	14	680	143	148	6	730	206	206	14
531	152	130	11	581	158	152	9	631	224	219	14	681	151	139	9	731	186	171	17
532	161	163	17	582	166	178	3	632	187	226	12	682	154	147	7	732	153	157	6
533	183	192	28	583	157	163	12	633	161	141	15	683	170	179	12	733	166	163	6
534	173	174	10	584	160	163	18	634	168	162	13	684	182	172	9	734	140	135	14
535	162	156	15	585	160	162	10	635	179	188	8	685	168	164	3	735	194	207	10
536	145	132	4	586	184	206	8	636	151	153	12	686	166	157	4	736	146	160	11
537	155	163	12	587	179	181	7	637	168	159	3	687	160	156	12	737	148	156	12
538	150	162	7	588	170	173	8	638	131	137	1	688	153	138	17	738	140	144	9
539	142	138	2	589	180	194	22	639	130	147	12	689	162	160	9	739	148	144	1
540	155	156	11	590	128	131	5	640	142	139	14	690	168	163	5	740	172	170	8
541	180	163	14	591	154	164	8	641	140	137	9	691	146	142	4	741	158	156	14
542	220	207	13	592	169	166	5	642	126	146	3	692	144	133	6	742	162	157	12
543	167	172	10	593	148	158	3	643	158	159	18	693	180	193	2	743	172	168	9
544	178	183	13	594	180	149	3	644	180	182	11	694	174	174	17	744	177	170	4
545	176	183	8	595	174	177	7	645	159	161	8	695	145	139	18	745	162	177	5
546	154	148	6	596	144	158	11	646	160	159	4	696	178	174	18	746	176	182	5
547	164	161	9	597	128	134	6	647	148	161	9	697	187	171	2	747	203	163	3
548	149	150	17	598	128	162	27	648	176	167	9	698	164	157	9	748	174	188	18
549	184	190	18	599	154	156	9	649	140	141	4	699	210	231	6	749	186	185	2
550	148	159	6	600	144	139	5	650	155	158	15	700	148	231	6	750	137	152	3

Unit = .001 mm

No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp	No.	π	Cmp	Dsp
751	154	170	18	771	114	120	5	791	188	206	10	811	142	141	11	831	113	125	12
752	148	156	10	772	126	123	12	792	134	145	26	812	131	119	18	832	183	181	13
753	172	166	5	773	143	140	2	793	150	129	6	813	120	109	11	833	168	169	21
754	170	179	29	774	120	117	4	794	147	146	28	814	140	132	7	834	152	162	8
755	148	159	22	775	131	132	6	795	176	160	6	815	158	164	15	835	118	103	8
756	167	153	30	776	147	140	10	796	131	139	10	816	146	142	10	836	118	112	13
757	152	151	11	777	137	130	9	797	158	129	10	817	98	107	7	837	130	124	5
758	139	139	15	778	82	81	9	798	157	136	17	818	109	96	12	838	142	128	3
759	124	123	19	779	183	180	5	799	201	190	6	819	116	111	3	839	148	156	8
760	105	114	6	780	160	157	12	800	184	192	26	820	142	128	3	840	157	169	7
761	122	125	8	781	125	131	10	801	173	143	11	821	148	162	7	841	204	211	29
762	154	176	14	782	207	210	18	802	155	163	6	822	151	144	11	842	136	119	11
763	132	119	6	783	147	151	16	803	140	134	10	823	120	117	7	843	132	130	9
764	137	152	15	784	174	154	11	804	157	166	25	824	141	166	7	844	108	122	14
765	138	143	9	785	165	167	23	805	141	132	13	825	140	119	5	845	154	140	2
766	159	141	11	786	156	160	7	806	138	154	23	826	140	152	11	846	150	124	8
767	152	148	23	787	152	161	9	807	100	104	7	827	148	164	7	847	174	136	6
768	131	110	14	788	152	142	11	808	120	141	10	828	180	180	12	848	140	136	8
769	135	141	18	789	158	150	5	809	159	148	20	829	115	116	5	849	123	120	4
770	130	126	10	790	146	139	9	810	139	122	3	830	117	133	6	850	110	129	6
																851	119	114	12

Unit = .001 mm

1 Spectroscopic binary, 10.54 years.

2 Binary, 6.4 : 6.5, 25 years, a = 0".66. To m's has been added +.000200 (4450 - JD) mm.

4 Comparison stars and dependences the same as those used at Allegheny.

5, 6 Measured on the same plates. Binary, 6.0 G5 : 6.0 G5, 219 years, a = 8".0. 4 Erid is slightly brighter photographically. A plate taken on JD 4501, weight 0.4, rejected after measurement; it gives residuals +".23 and +".17.

7, 8 Measured on the same plates. In declination plates give -0".117 and -0".133. The brighter is itself a binary, 3.7 : 6.2, separation now 3".

10 Comparison stars and dependences the same as those used at Allegheny. To m's has been added +.000325 (JD - 2592) -.0100 P.

11 Common proper motion with No. 10. 9.2 A : 11.0 M5, 248 years, a = 6".9. To m's been added +.000325 (JD - 5023) -.0100 P.

12 0.1 to 1.2 magn, 5.8 years. Two plates taken on JD 4553 and on JD 5193, weights 1.0 and 0.9, rejected after measurement; they give residuals +".14 and +".13.

17 Binary, 5.8 : 6.4, 23 years, a = 0".69. Comparison stars and dependences the same as those used at McCormick.

19 14 magn, 29", common proper motion.

22 Binary, 3.9 : 5.1, 35 years, a = 0".91.

23 Spectroscopic binary.

24 Spectroscopic binary.

25 5.7 : 5.9, 0".2, common proper motion.

26 8 magn, 24", common proper motion. McCormick uses a comparison star, dependence 0.412, found to have a proper motion in RA of -".1; a preliminary value of the relative parallax of this star from the Yale plates is +0".018 ± 0".012.

27,28 Binary, 3.6 : 3.7, 182 years, a = 3".6. Measured on the same plates.

29, 30, 31 α Centauri. For these three stars parallax factors to three decimal places were used, and JD to 0.1 day. For No. 29 to m's has been added +.000550 (JD - 4986.3) -.0400 P. For No. 30 to m's has been added +.000500 (JD - 5150) -.0400 P. For No. 31 to m's has been added +.000500 (JD - 5090) -.0400 P. Nos. 30 and 31 measured from the same exposures, but with two different sets of comparison stars.

32 Spectroscopic binary.

33, 34 No. 33 is binary, 4.8 : 5.1, 45 years, a = 0".72. No. 34 is 7" distant. Measured on different plates except three taken on JD 4600, 4604, 4609.

35 Two comparison stars the same as those used at McCormick.

36 Binary, 5.7 : 8.3, 101 years, a = 3".5. To m's has been added +.000150 (4367 - JD) mm.

37 Binary, 6.1 : 7.6, 42 years, a = 1".8. Not well separated on first three plates. To m's has been added +.000150 (4500 - JD) mm. 10 magn, 32", binary = No. 417.

39 2'.2 south, 0'.4 east of DM 4°3560.

40 Barnard's star. To m's has been added -.0280 P -.0300 mm. Parallax factors to three decimal places were used.

41, 42 Binary, 4.2 : 6.2, 88 years, separation now 6". Measured on separate plates except those taken on JD 4623, 4626. Comparison stars and dependences the same as those used at Allegheny. For No. 41 to m's has been added -.0100 P -.0100 mm, for No. 42 to m's has been added -.0100 P -.2800 mm.

43 11 magn, 12", binary.

47 JD to 0.1 day is used. To m's has been added +.000570 (4537 - JD) mm.

48, 49 8.8 : 8.9, binary. Measured on same plates except for one plate each. Plate taken on JD 5199 rejected after measurement for No. 48; its residual is -0".14

52 Spectroscopic binary. A plate taken on JD 5070 was rejected after measurement. It was then seen that the image of one comparison star is defective.

61 To m's has been added +.000160 (JD - 4900) mm.

65 13 magn, 6", common proper motion.

70 11 magn, 3", binary.
73 A plate taken on JD 4605, weight 0.7, rejected after measurement; its residual is +".22.
81 Spectroscopic binary.
84 Spectroscopic binary, 9.9 days.
90 Spectroscopic binary.
91 A plate taken on JD 5152, weight 1.0, rejected after measurement; its residual is -".14.
95 Spectroscopic binary, 4198 days.
108 9 magn, 4", binary.
110 Spectroscopic binary.
111 Spectroscopic binary.
114 On three plates, JD 4691, 4697, 4699, comparison star 2 is under sector; for them a nearby star was substituted.
115 Binary, 5.7 : 6.5, 6.9 years, a = 0".24. Brighter is a spec. binary, 2.1 days.
116 Binary, 5.1 : 7.3, separation 5"; forms a quadruple system with Innes 27, 320" distant.
120 11.5 magn, 4", binary.
121 7.5 magn, 0.2, binary.
126 9 magn, 50", common proper motion. The brighter is a spectroscopic binary.
127 Spectroscopic binary. In Ursa Cluster.
130 5.4 : 7.1, 0".2, binary.
133 Spectroscopic binary, 24.5 days.
137 4.6 : 4.9, 0".2, binary.
140 6.8 magn, 71", common proper motion.
145 4.2 to 5.3 magn, 7.0 days.
146 Spectroscopic binary.
147 This parallax supersedes the one in AJ No. 954, which was derived from plates with a very narrow sector opening that left the parallax star still too bright. The present value is derived from plates taken with a grating.
148 3.7 to 4.4 magn, 7 days. A triple spectroscopic system.
153 Spectroscopic binary.
156 Spectroscopic binary, 7.8 days.
157 Spectroscopic binary.
159 Spectroscopic binary.
160 4.5 : 7.0, 2", binary.
164 Spectroscopic binary.
176 6.2 : 7.8, 2", binary. Only the brighter measured.
178 9 magn, 25", fixed.
180 Spectroscopic binary.
181 Spectroscopic binary.
191 Spectroscopic binary.
194 Spectroscopic binary.
199 9 magn, 46", common proper motion.
200 Spectroscopic binary.
202 10 magn, 2", binary.
204 11 magn, 82", common proper motion.
205 Spectroscopic binary, 1.0 days. To m's has been added +.000040 (6675 - JD) mm.
208 5.6 : 6.9, close binary.
209 12 magn, 4", binary; also 9 magn, 74", common proper motion.
212 To m's has been added +.000030 (JD - 8080) mm.
217 In Taurus Cluster. Comparison star 4 may be in the Taurus Cluster.
218 8.3 magn, 7", fixed. The brighter is a spectroscopic binary.
228 Spectroscopic binary.
229 Spectroscopic binary, 74.1 days.
230 3.4 to 4.2 magn.
231 Proper motion differs greatly from PGC. Measures of 8 stars on an early and on a late plate show that no comparison star has a large proper motion.

232 Proper motion differs greatly from PGC. Measures of 9 stars on an early and on a late plate show that none of our comparison stars has a large proper motion.
239 4.9 : 7.9, close binary.
242 Spectroscopic binary, 180 days; several years as well.
252 Spectroscopic binary.
253 11 magn, 36", common proper motion.
254 Spectroscopic binary.
256 11 magn, 1".5, binary.
257 Spectroscopic binary.
258 To m's has been added +.000320 (5169 - JD) mm.
259, 260 4.5 : 4.5, 26", common proper motion. Measured on the same plates. No. 260 is binary, 4.7 : 6.7, 41 years, a = 0".48.
261 4.1 : 4.1, 1".5, binary. Images blended but position angle is nearly 0°.
262 7.8 G7, 50", common proper motion. Comparison stars and dependences the same as those used at Allegheny.
263 Comparison stars and dependences the same as those used at Allegheny.
264 To m's has been added +.000250 (JD - 5100) - .0160 P.
265 Spectroscopic binary.
266 9 magn, 8", common proper motion.
268 Comparison stars and dependences the same as those used at Allegheny.
269 JD to 0.1 day is used. To m's has been added +.000440 (4941.5 - JD) mm.
270, 271 4.9 : 5.4, 8", binary. Measured on the same plates.
273, 274 3.8 : 6.4, 95", common proper motion. These are measured on different plates but the same comparison stars are used.
276, 277 5.8 : 6.2, 198", common proper motion. No. 277 is itself a binary, 5.9 : 9.0, 4". Measured on the same plates with the same comparison stars.
278 Sirius. Binary, 8.4 A5, 50 years, a = 7".6. In Ursa Cluster. Plates taken with a grating. To m's has been added +.000050 (JD - 6600) - .0200 P.
279, 280 5.8 : 6.9, 20", common proper motion. Measured on the same plates but with different comparison stars.
281 6.4 : 6.7, 1", binary. Plates taken with a grating, for Procyon, No. 904.
283 Long period spectroscopic binary.
286 Spectrum composite: K5, A. 7.7 magn, 15", common proper motion.
287, 288 5.6 : 6.8, 3", common proper motion. Measured on the same plates.
289 Comparison stars and dependences the same as those used at Allegheny. To m's has been added +.000065 (JD - 1231) mm.
290 Measured on the same plates with No. 291, 300" distant.
291 JD to 0.1 day is used; to m's has been added +.000150 (JD - 4900) mm.
292 Binary with No. 407. Measured on different plates except first four. To m's has been added +.000150 (5133 - JD) mm.
293 10 magn, 11", binary. To m's has been added +.000056 (4814 - JD) mm.
294, 295 5.4 : 5.7, 11", common proper motion. Measured on the same plates.
296 6.5 A3, 3", common proper motion.
297 Also DM - 2°4211.
298, 299 5.3 : 5.3, 4", binary. Measured on the same plates.
300 Common proper motion with Nos. 298, 299; 700" distant.
301 Spectroscopic binary, with two spectra visible. 14 magn, 25", common proper motion. Comparison stars and dependences are those used at Allegheny.
302 Binary, 3.4 : 3.6, 21 years, a = 0".56.
308 Spectroscopic binary.

315] Common proper motion. Measured on different plates but with the
316] same comparison stars. Comparison star 4 has proper motion 0".25, and is being observed for parallax. JD to 0.1 day is used. For No. 315 to m's has been added +.000180 (5333 - JD) mm; for No. 316 to m's has been added +.000180 (4833 - JD) mm. Not in Yale Catalogue of Parallaxes (1935).

321 Spectroscopic binary.

326 6.5 magn, 14", common proper motion.

328 Spectroscopic binary.

329 Spectroscopic binary.

332 Spectroscopic binary.

336 8 magn, 42", common proper motion.

340 12 magn, 31", common proper motion.

342 Spectroscopic binary.

344 8.5 magn, 2", binary.

346 Spectroscopic binary.

347 10 magn, 2", binary.

349 To m's has been added +.000090 (JD - 5944) mm.

358 JD to 0.1 day is used. To m's has been added +.000235 (JD - 5895) mm.

361 Spectroscopic binary.

362 Spectroscopic binary.

365 Spectroscopic binary.

367 3.2 : 3.7, close binary. Plate taken on JD 5330, comparison star 4 is missing.

368] 5.4 : 6.9, 11", common proper motion.
369] Measured on the same plates, but with different comparison stars.

371 Binary, 6.0 : 6.3, 46 years, separation 0".5.

373 Spectroscopic binary.

374 11 magn, 2", fixed.

383 6.4 : 8.4, 1", binary.

384 12 magn, 5", common proper motion.

391 Spectroscopic binary, 13.2 days; and a longer period as well.

397 10 magn, 3", binary.

398 10 magn, 49", common proper motion; the companion itself a close binary, 10.7 : 10.8.

400 Binary, 7.8 : 8.2, 4.56 years, separation 0".2; 12 magn, 1".5, binary.

401] 3.4 : 4.4, 8", binary.
402] Measured on the same plates. The brighter, No. 401, is a spectroscopic binary.

403 Unit of weight for this star equals 0.6 unit in other cases. The measurement of two early and of two late plates yields proper motion in declination = -2".70. To m's has been added +.000200 (5800 - JD) mm.

404 Comparison stars and dependences the same as those used at Allegheny. To m's has been added +.000070 (1543 - JD) mm.

405 JD to 0.1 day is used. To m's has been added +.000960 (5303.4 - JD) -.0130 P.

406 To m's has been added +.000110 (5591 - JD) -.0080 P.

407 Binary with No. 292. Measured on different plates except the first four. To m's has been added +.000140 (5000 - JD) mm.

408] 9.4 : 9.9, 300", common proper motion. Measured on the same
409] plates, but with different comparison stars. For No. 408, to m's has been added +.000150 (JD - 6434) mm; for No. 409, to m's has been added +.000150 (JD - 6157) mm.

410 7.5 : 7.5, close binary. To m's has been added +.000180 (JD - 5467) mm.

411 To m's has been added +.000180 (JD - 5150) mm.

413} 9.2 : 11, 8', common proper motion. Measured on the same plates, but
414} with different comparison stars. For No. 413, to m's has been added
+.000120 (JD -6375) mm; for No. 414, to m's has been added
+.000120 (JD -6258) mm.
415} 7.9 : 9.3, 180", common proper motion. Measured on the same plates.
416} Comparison stars and dependences the same as those used at Allegheny.
For No. 415, to m's has been added +.000130 (JD -1915) mm; for No. 416,
to m's has been added +.000130 (JD -5623) mm.
417 Binary with No. 37, 32" distant. To m's has been added
+.000160 (5800 -JD) mm.
420 Measured on same plates as No. 421. Measurement of an early and of a
late plate gives proper motion in declination = -".26.
421 Spectroscopic binary.
422 To m's has been added +.000040 (JD -5800) mm.
423 To m's has been added +.000170 (5000 -JD) -.0090 P.
424 12 magn, 8", common proper motion.
428 To m's has been added +.000044 (6241 -JD) mm.
429 Spectroscopic binary, 205 days. Comparison stars and dependences the
same as those used at Allegheny.
430 To m's has been added +.000130 (5958 -JD) mm.
431 JD to 0.1 day is used. To m's has been added +.000480 (JD -5248) -.0150 P.
432 Comparison stars and dependences the same as those used at Allegheny.
434 To m's has been added +.000180 (6206 -JD) mm.
435} 4.4 : 4.6, 3", binary.
436} Measured on the same plates.
437} 7.3 : 7.8, 3", binary.
438} Measured on the same plates.
439 To m's has been added +.000130 (JD -5785) mm.
440 JD to 0.1 day is used. To m's has been added +.000980 (5936.7 -JD) -.0150 P.
441} 8.3 : 9.4, 25", common proper motion. No. 442 is a spectroscopic binary.
442} Measured on the same plates. For No. 441, to m's has been added
+.000076 (5300 -JD) mm; for No. 442, to m's has been added
+.000079 (4287 -JD) mm.
443 To m's has been added +.000140 (5414 -JD) -.0080 P.
444 JD to 0.1 day is used. To m's has been added +.000820 (5788 -JD) -.0110 P.
446 11 magn, 6", common proper motion. To m's has been added
+.000103 (5323 -JD) mm.
447 To m's has been added +.000075 (5040 -JD) mm.
450 6.2 : 6.4, close binary.
451 9 magn, 3", common proper motion.
455 Spectroscopic binary.
458 Spectrum composite: K5, B.
466 5.6 : 7.5, 1", binary.
472 12 magn, 27", common proper motion.
474 To m's has been added +.000108 (4706 -JD) mm.
477 7.8 magn, 16", binary.
483} 5.4 : 6.7, 3", binary.
484} Measured on the same plates.
489 10 magn, 32", common proper motion.
493 Spectroscopic binary.
496 5.7 B8 : 7.7 A3, 18", common proper motion. Brighter measured.
506 Spectroscopic binary, 26.3 days.
507 Spectroscopic binary.
512 Measured on the same plates with No. 510. To m's has been added
+.000083 (JD -5589) mm. Measures on three early and on three late
plates give proper motion in declination = -".36.
513 Spectroscopic binary.

523 Spectroscopic binary.
524 To m's has been added +.000245 (4762 - JD) mm.
525 To m's has been added +.000127 (7648 - JD) mm.
528 Spectroscopic binary.
535 Spectroscopic binary.
536 Spectroscopic binary.
538 To m's has been added +.000040 (3688 - JD) mm.
542 3.6 to 4.8 magn, 35.5 days.
543 Spectroscopic binary, 329 days.
545 Spectroscopic binary.
551 7.2 magn, 10", common proper motion.
552 13 magn, 3", common proper motion.
553 5.5 K0 : 8.9 A, 19", common proper motion. Brighter measured.
554 12 magn, 42", common proper motion.
556 Spectroscopic binary. 7.2 F8, 23", common proper motion.
561 Spectroscopic binary. If plate taken on JD 5137 were rejected the parallax would be +".040 ± ".0090.
565 9.5 magn, 21", common proper motion.
567 To m's has been added +.000047 (8018 - JD) mm.
569 To m's has been added +.000031 (JD - 1477) mm.
571 11 magn, 6", common proper motion.
572 12 magn, 3", common proper motion.
576 Spectroscopic binary.
582 Spectroscopic binary, 1.6 days.
587 Spectroscopic binary.
591 To m's has been added +.000034 (JD - 5145) mm.
596 Common proper motion with No. 797, 231" distant.
603 Spectroscopic binary, 2.3 days.
609 Spectroscopic binary; 5.5 : 6.0, 0".2.
613 Binary, 5.7 : 6.2, 100 years, separation now 0".2; also 7.4 magn, 11", binary.
614 Spectroscopic binary, 22.7 days.
621 9 magn, 12", common proper motion. In Ursa Cluster.
622 Spectroscopic binary.
633 Measured on the same plates with No. 634, 14' distant. To m's has been added +.000076 (JD - 5686) mm.
635 Spectroscopic binary.
636 To m's has been added +.000024 (JD - 6083) mm.
640 641 6.3 : 9.7, 486", common proper motion. Measured on the same plates. For No. 640, to m's has been added +.000071 (JD - 6596) mm; for No. 641, to m's has been added +.000071 (JD - 4962) mm.
642 To m's has been added +.000182 (JD - 6938) mm.
645 Spectrum composite, F5, A3.
647 Spectroscopic binary, 13.0 days.
654 9 magn, 3", binary.
657 7.2 magn, 5", binary.
658 12 magn, 5", common proper motion.
659 To m's has been added +.000075 (6640 - JD) mm.
660 Spectroscopic binary.
662 6.2 : 6.4, 1".3 in 87°, binary.
668 In Ursa Cluster.
669 6.0 : 6.0, 1".5, binary.
674 11 magn, 4", common proper motion.
676 Spectroscopic binary.
677 Spectroscopic binary, 6.0 : 6.3, 0".2.
679 To m's has been added +.000120 (5938 - JD) mm.

682 Spectroscopic binary, period perhaps 4 months; also 9 magn, 7", common proper motion.
685 Spectroscopic binary.
686 5.2 : 5.3, close binary; also spectroscopic binary, 3043 days.
691 Spectroscopic binary; 11 magn, 12", common proper motion.
693 5.5 : 5.8, 0".7, binary; also 7.5 magn, 11", binary.
696 Spectroscopic binary; also 4.0 : 6.1, 135 years, a = 0".94.
699] 5.3 : 7.0, 6", common proper motion.
700] Measured on the same plates.
705 A fourth comparison star at X = +13, Y = -51, was first used, but measures on an early and on a late plate showed that this had a proper motion in RA = +0".28. This comparison star is No. 706.
712 To m's has been added +.000030 (5173 - JD) mm.
715 To m's has been added +.000050 (5590 - JD) mm.
717 11 magn, 54", common proper motion. To m's has been added +.000056 (5885 - JD) mm.
720 Spectroscopic binary, 181 days.
721 Spectroscopic binary, 9.4 days.
723 6.0 : 6.1, close binary; also 8.3 magn, 12", common proper motion; this is itself a close binary, 9.1 : 9.2 magn.
725 9 magn, 12", common proper motion.
726 Plates taken with a grating.
727 Spectroscopic binary.
728 Spectroscopic binary.
732 Spectroscopic binary.
737 To m's has been added +.000030 (3335 - JD) mm.
738 8.1 magn, 3", binary.
740 9 magn, 16", binary.
742 Spectroscopic binary. To m's has been added +.000017 (1665 - JD) mm.
745 Spectroscopic binary, 40 days.
750 Spectroscopic binary.
754 Spectroscopic binary.
758 12 magn, 5", common proper motion.
760 Spectroscopic binary, 194 days.
761 9 magn, 5", binary.
764 7 magn, binary, separation about 1". Measurement of two early and of two late plates gives proper motion in declination = +0".64.
765 Spectroscopic binary.
767 9 magn, 10", common proper motion. A plate taken on JD 6609 rejected after measurement; its residual = +0".20.
768 Plates taken with a grating except the first.
775 5.4 to 6.0 magn, 1.1 days.
777 3.7 : 5.2, 15.3 years, a = 0".23; also 8 magn, 3", binary; and 13 magn, 20", common proper motion. To m's has been added +.000025 (JD - 7500) mm.
778 Measured on the same plates with No. 777, 24' distant. To m's has been added +.000033 (7512 - JD) mm. Measurement of an early and of a late plate gives proper motion in declination = -0".43.
781 Spectroscopic binary, 922 days.
783 Comparison star 2 is double, 2".
784 Spectroscopic binary.
788 To m's has been added +.0000383 (JD - 4052) mm.
789 To m's has been added +.0000168 (11162 - JD) mm.
790 Spectroscopic binary, 38.3 days.
792 In Ursa Cluster.
793 Spectroscopic binary.
795 6.6 magn, 6", binary; itself a close binary, 7.4 : 7.4, 40.5 years, also a spectroscopic binary.

796 10 magn, 5", binary.
797 Spectroscopic binary. Common proper motion with No. 596, 231" distant. Plates taken with a grating except the first two. To m's has been added +.0000131 (JD -8502) mm.
800 3.1 to 4.0 magn.
802 Spectroscopic binary.
803 To m's has been added +.000028 (4550 - JD) mm.
804 Spectroscopic binary, 72.9 days.
810 Spectroscopic binary.
813 3.4 to 6.2 magn, 140 days.
815 Spectroscopic binary.
816 A plate taken on JD 4536, weight 0.4, rejected after measurement; its residual is +".29.
818 10 magn, 3", common proper motion. Comparison stars and dependences the same as those used at Allegheny.
821 12 magn, 7", binary.
822 Plates taken with a grating.
823 Spectroscopic binary.
824 11 magn, 3", common proper motion.
833 Spectroscopic binary.
836 To m's has been added +.000045 (JD -8578) -.0030 P.
840 Spectroscopic binary.
842 5.1 : 5.6, 5.7 years, a = 0".27.
844 5.3 to 6.3 magn.
845 Spectroscopic binary.
846 Spectroscopic binary.
847 Spectroscopic binary.
848 Comparison stars and dependences the same as those used at Allegheny.

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